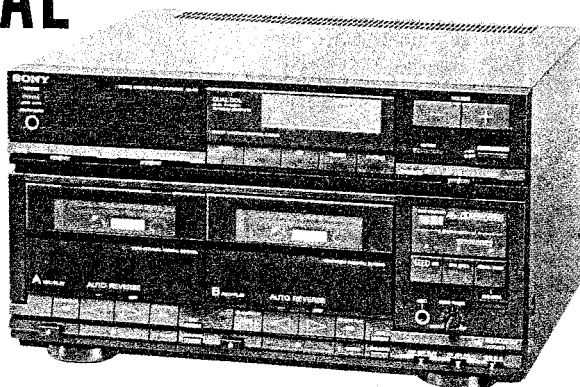



# DXA-D9

## SERVICE MANUAL

*AEP Model  
UK Model  
E Model*



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

This set is the cassette deck and amplifier section in LBT-D9/D9CD.

### SPECIFICATIONS

Model Name Using Similar Mechanism	TC-V710WR
Tape Transport Mechanism Type	TCM-CMAY B-9

#### Cassette deck section

Recording system 4-track 2-channel stereo  
Frequency response DOLBY NR OFF (DIN)  
With TYPE IV cassette (Sony METAL-ES)  
30 to 15,000 Hz ( $\pm 3$  dB)  
With TYPE II cassette (Sony UX-S)  
30 to 14,000 Hz ( $\pm 3$  dB)  
With TYPE I cassette (Sony HF-S)  
30 to 13,000 Hz ( $\pm 3$  dB)  
Wow and flutter 0.07% WRMS (NAB)  
 $\pm 0.2\%$  (DIN)

#### Amplifier section

Continuous RMS power output (AEP, G-AEP, UK model)  
60 + 60 W  
(6 ohms, at 1 kHz, 5% THD)  
Music power output (AEP, G-AEP model)  
80 + 80 W (6 ohms, at 1 kHz, 5% THD)  
Peak music power output (E model)  
600 W (6 ohms)

#### Inputs

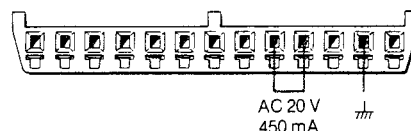
Input jacks	Jack type	Sensitivity	Impedance
PHONO IN	Phono	2 mV	50 kohms
CD IN	Phono	150 mV	50 kohms
VIDEO IN	Phono	150 mV	50 kohms
GRAPHIC EQUALIZER IN	Phono	150 mV	50 kohms
MIC	Phone	2 mV	20 kohms

#### Outputs

VIDEO OUT (phono jacks)	Voltage 150 mV, Impedance 2 kohms
GRAPHIC EQUALIZER OUT (phono jacks)	Voltage 150 mV, Impedance 470 ohms
HEADPHONES (stereo phone jack)	Accepts headphones of 8 ohms or more
SPEAKER	Accepts speakers of 6 to 16 ohms

#### System control connectors

SYSTEM CONTROL 1: 13-pin  
SYSTEM CONTROL 2: 13-pin



SYSTEM CONTROL 3: 3-pin (UK model)

#### Frequency response

PHONO: RIAA curve  $\pm 0.5$  dB  
CD: 15 Hz to 50 kHz  $\pm 3$  dB  
VIDEO: 15 Hz to 50 kHz  $\pm 3$  dB  
GRAPHIC EQUALIZER: 15 Hz to 50 kHz  $\pm 3$  dB  
MIC: 100 Hz to 10 kHz  $\pm 6$  dB

— Continued on page 2 —

## STEREO CASSETTE DECK AMPLIFIER

# SONY®

**AUD**



## General

### Power requirements

AEP, G-AEP model:  
220 V AC (240 V AC, adjustable by  
authorized Sony personnel), 50 Hz  
UK model:  
240 V AC, 50 Hz  
E model:  
120, 220 or 240 V AC, adjustable, 50/60 Hz

### Power consumption

AEP, G-AEP model: 140 W  
UK model: 300 W  
E model: 150 W

### AC outlet

1 unswitched, 100 W max.


### Dimensions

Approx. 355 × 200 × 350 mm (w/h/d)  
(14 × 7<sup>7</sup>/<sub>8</sub> × 13<sup>7</sup>/<sub>8</sub> inches)  
incl. projecting parts and controls

### Weight

Approx. 9.8 kg (21 lb 10 oz) net

## SAFETY-RELATED COMPONENT WARNING!!

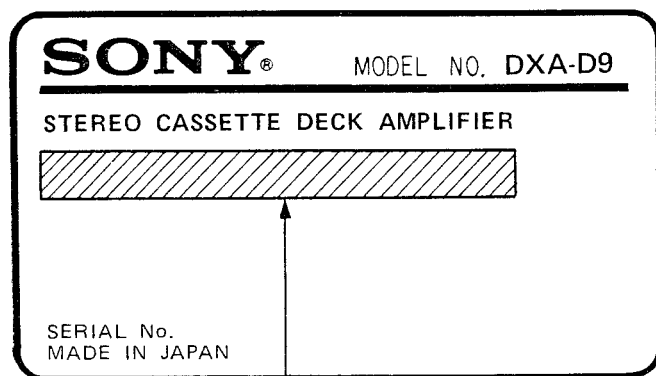
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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Model Identification		2
Features		2

## MODEL IDENTIFICATION

— Specification Label —



AEP, G-AEP model: AC: 220 V ~ 50/60 Hz 140 W  
UK model: AC: 240 V ~ 50/60 Hz 300 W  
E model: AC: 120/220/240 V ~ 50/60 Hz 150 W

## FEATURES

### Amplifier section

- Microphone mixing function.
- Dual dynamic optimum loudness (DOL) function, which effects both recording and playback, to emphasize the bass and high frequency sound in relation to the speaker output level.

### Cassette deck section

- Double reverse decks (both decks for recording/playback).
- Recording/playback on both decks in succession (relay recording/playback).
- Automatic level control for recording.
- High-speed and normal-speed dubbing, and manual dubbing.
- Auto pause function and AMS/blank skip to facilitate effective editing.

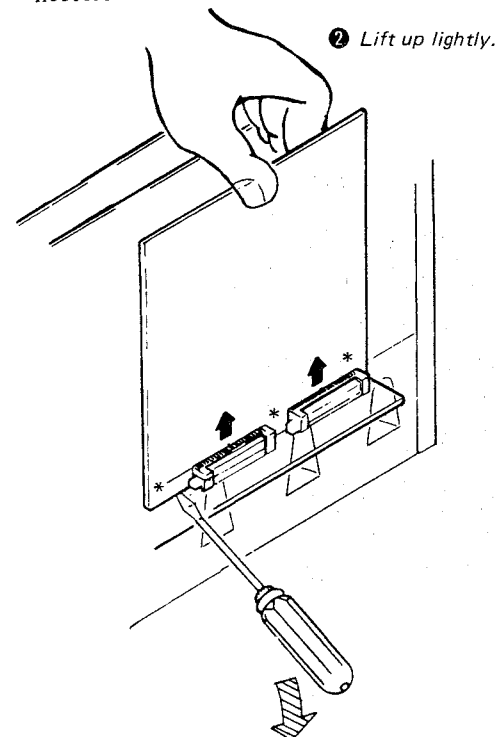
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## SECTION 1 OUTLINE

### 1-1. SERVICING NOTE

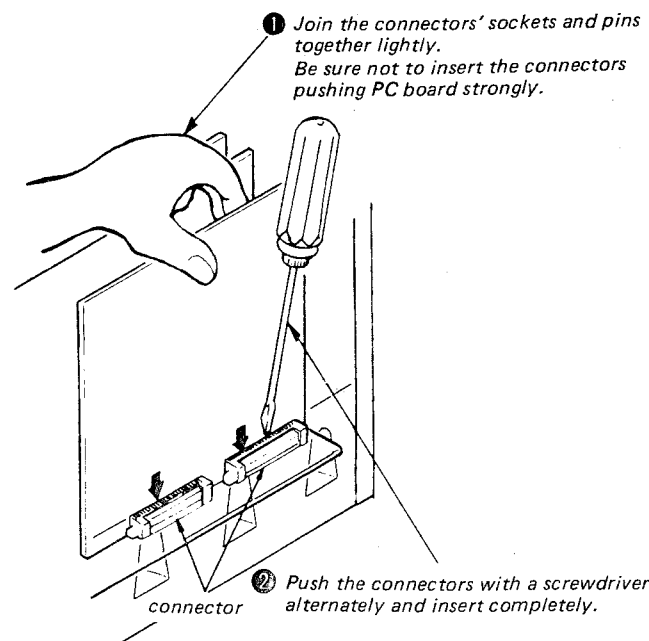
#### • Caution on Removing

Be sure not to pull the PC board strongly.  
This causes cutting the patterns on which the connectors are mounted.



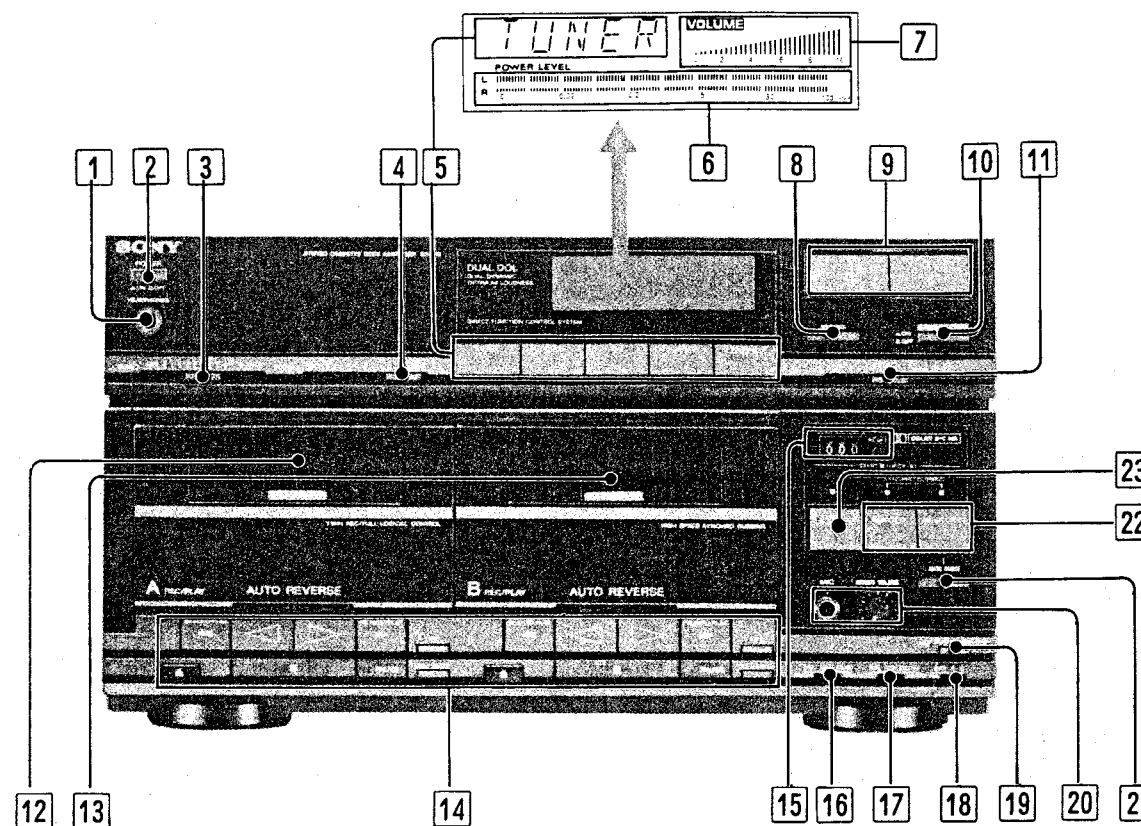
① Insert a screwdriver to the gap between PC boards (\*, 3 points), and move the screwdriver in the direction of arrow to pull out the connectors about 3 mm on the average.

#### • Caution on Reassembling



② Push the connectors with a screwdriver alternately and insert completely.

### 1-2. LOCATION AND FUNCTION OF CONTROLS



#### Amplifier section

- ① HEADPHONES jack (stereo phone jack)
- ② POWER switch
- ③ BASS control
- ④ TREBLE control
- ⑤ Function select buttons and function display  
Select the audio input source in use. The selected function is shown on the display.  
**VIDEO:** Audio supplied from the video equipment connected to the rear VIDEO IN jacks.  
**TAPE:** Tapes played on deck A or B.  
**CD:** Compact discs played on the CD player connected to the rear CD IN jacks.  
**TUNER:** Radio programs.  
**PHONO:** Records played on the turntable system connected to the rear PHONO IN jacks.

#### Memory of the selected function

When the power to the cassette deck amplifier is turned off, the selected function is stored in memory. If the unit is not used for a long time, the memory may be erased. If this happens, TUNER will be selected automatically when the unit is turned on again.

#### ⑥ POWER LEVEL meter

#### ⑦ VOLUME indicator

#### ⑧ MUTING button

Press to reduce the sound to a low level. Press again to restore the same listening level as before.

#### ⑨ VOLUME + and - buttons

#### ⑩ DUAL DOL (dynamic optimum loudness) button

Press to reinforce the bass and high frequency response in relation to the speaker output level. The lower the speaker output level is, the more the bass and high frequency sound is emphasized.

#### ⑪ BALANCE control

Changes relative strength of right and left speaker output. Use to correct stereo imaging, especially when the speaker position is not symmetrical.

#### Cassette deck section

#### ⑫ Tape deck A

#### ⑬ Tape deck B

#### ⑭ Tape operation buttons

- ▲ (eject) button
- (stop) button
- ◀ (leftward fast winding) button
- ◀ (reverse) button
- ▶ (forward) button
- ▶▶ (rightward fast winding) button
- REC (record) button
- REC MUTE (record muting) button
- || PAUSE button

#### ⑮ TAPE COUNTER and RESET button (only for deck B)

Use the counter to index and quickly locate desired points on a tape.  
The RESET button returns the counter to 000.

#### ⑯ TIMER switch

#### ⑰ DIR (direction) MODE selector

Selects the tape transport mode for recording and playback.

#### ⑱ DOLBY NR (Noise Reduction) switch

Selects Dolby B or Dolby C to record or play back with the Dolby NR system.

#### ⑲ AMS (automatic music sensor)/BLANK SKIP button

Used to locate the beginning of a selection or skip a blank during playback.

#### When the microphone mixing function is not used

Be sure to turn the MIXING VOLUME control fully to SOURCE (counterclockwise).  
If it is set to MIC (turned clockwise), the program source sound may not be audible.

#### ⑳ MIC (microphone input) jack (phone jack) and MIXING VOLUME control

#### ㉑ AUTO PAUSE button

Used to dub one selection at a time during normal-speed dubbing.

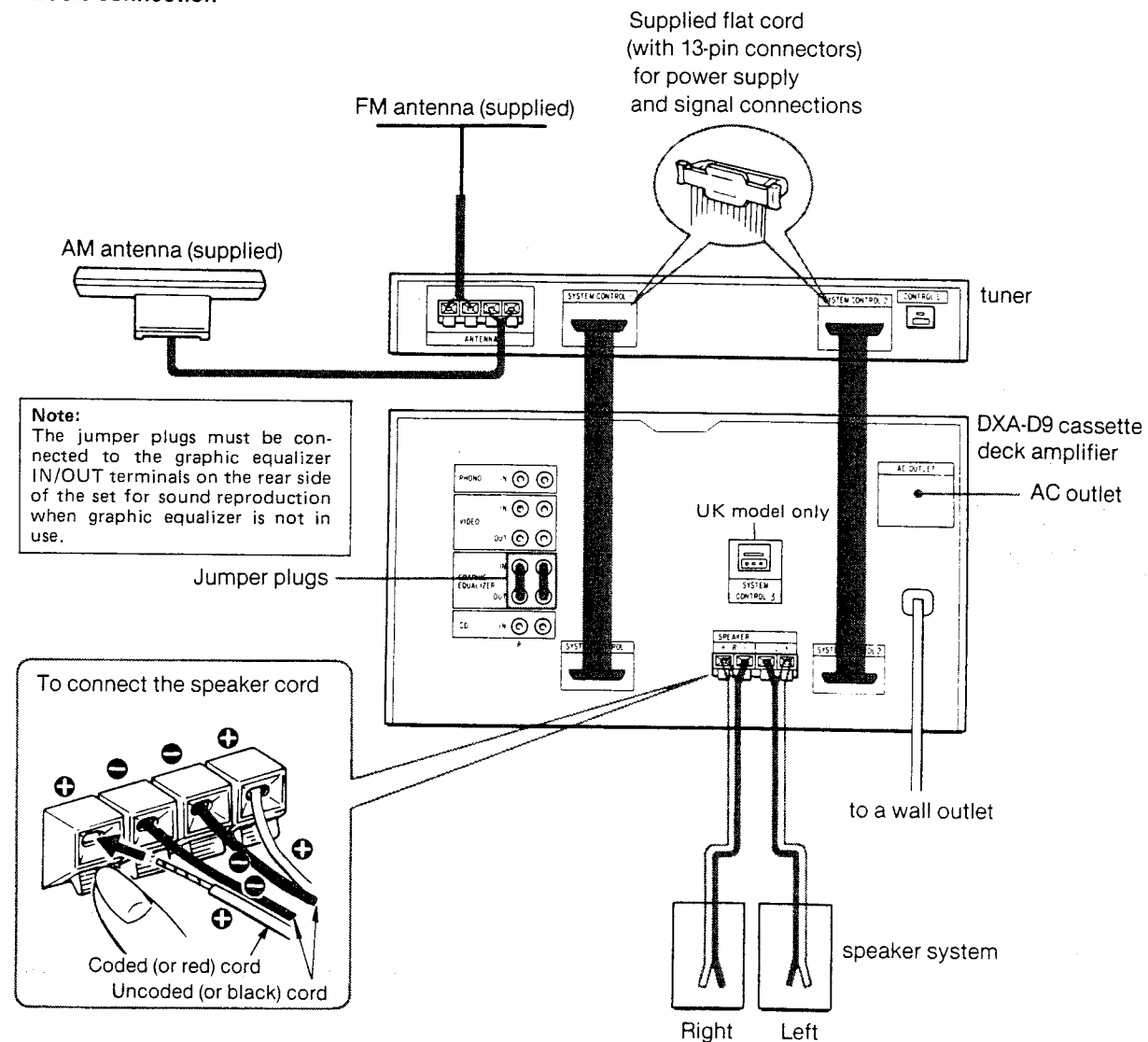
#### ㉒ Dubbing speed select buttons

#### ㉓ [A+B] REC (simultaneous recording) button

Used to record on both decks A and B simultaneously.

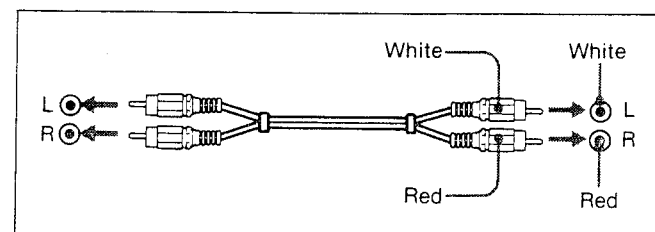
### 1-3. CONNECTION

#### Basic connection



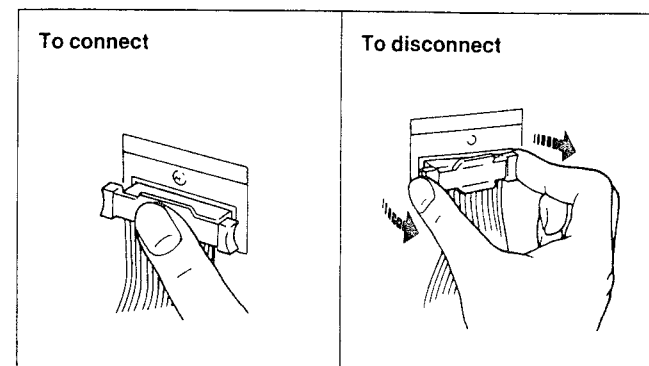
#### CONNECTION NOTES

- Connect the AC power cord last. Make sure POWER is OFF.
- Fully insert cable connectors into jacks. Loose connections may cause hum or noise.
- **For program source connections:** The red jacks of the cassette deck amplifier are for right-channel connections and the white jacks for left-channel.

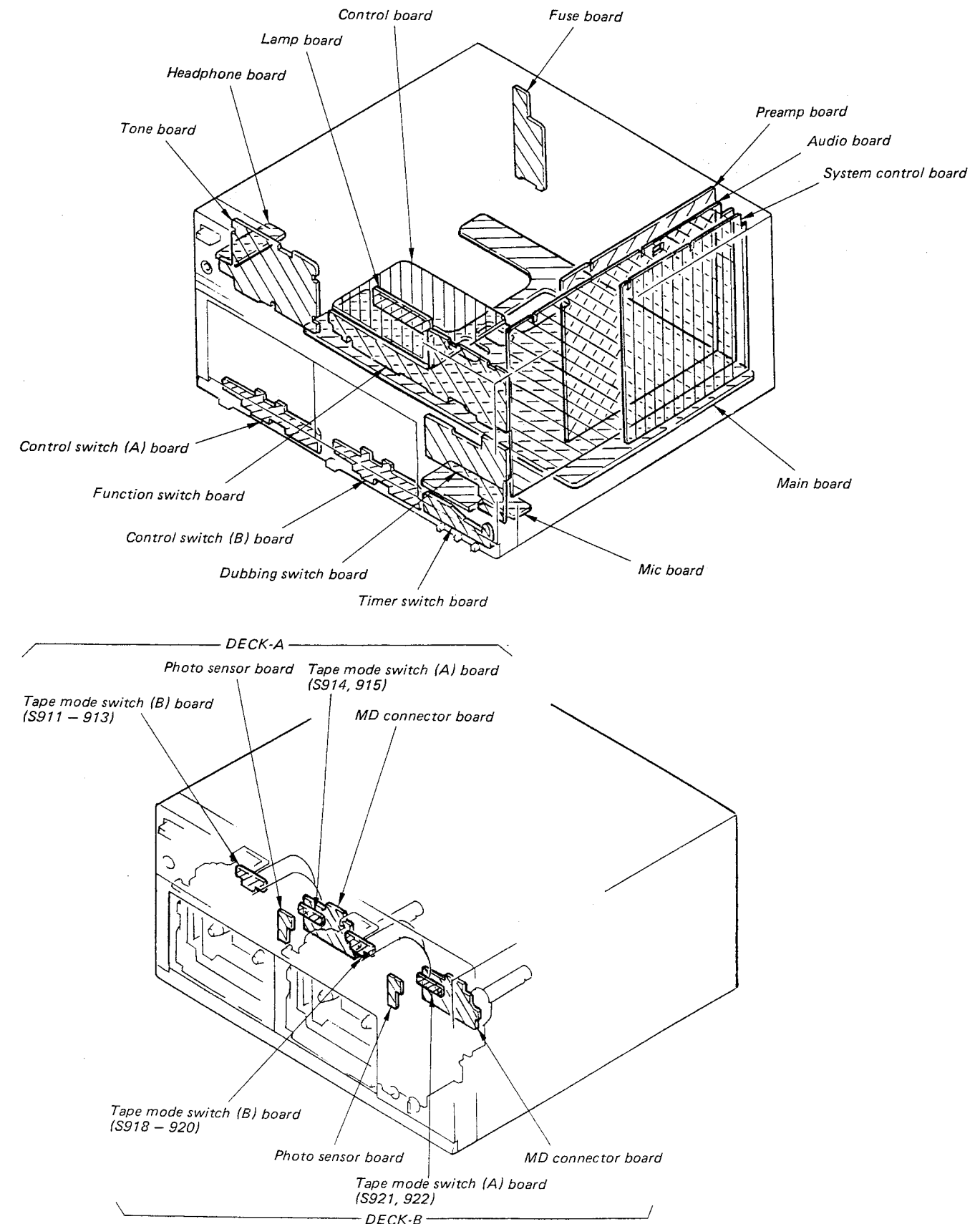


- The jumper plugs must be connected to the GRAPHIC EQUALIZER jacks on the cassette deck amplifier for sound reproduction when these jacks are not in use.

#### Supplied flat cord connection



### 1-4. CIRCUIT BOARDS LOCATION





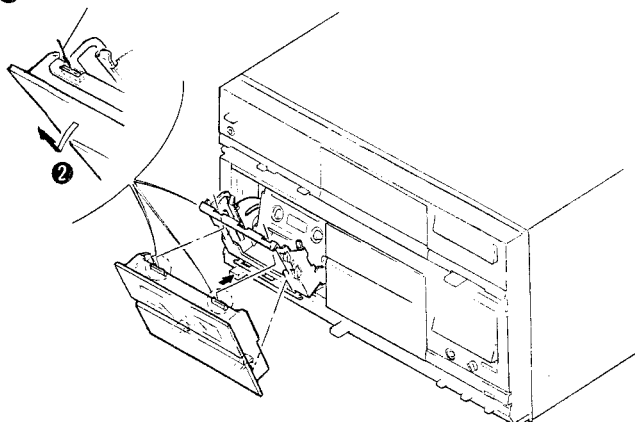
## SECTION 2

### DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

#### CASSETTE LID REMOVAL

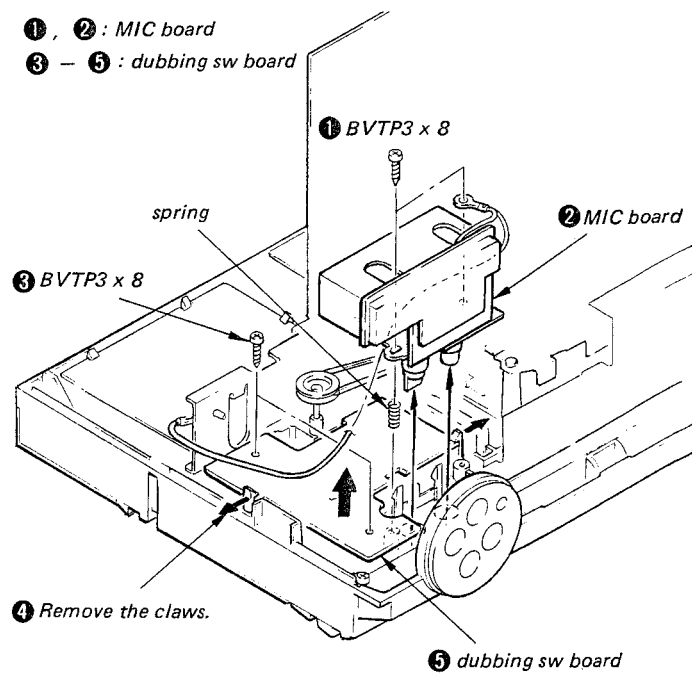
- ① Remove the claws.



#### MIC BOARD AND DUBBING SW BOARD REMOVAL

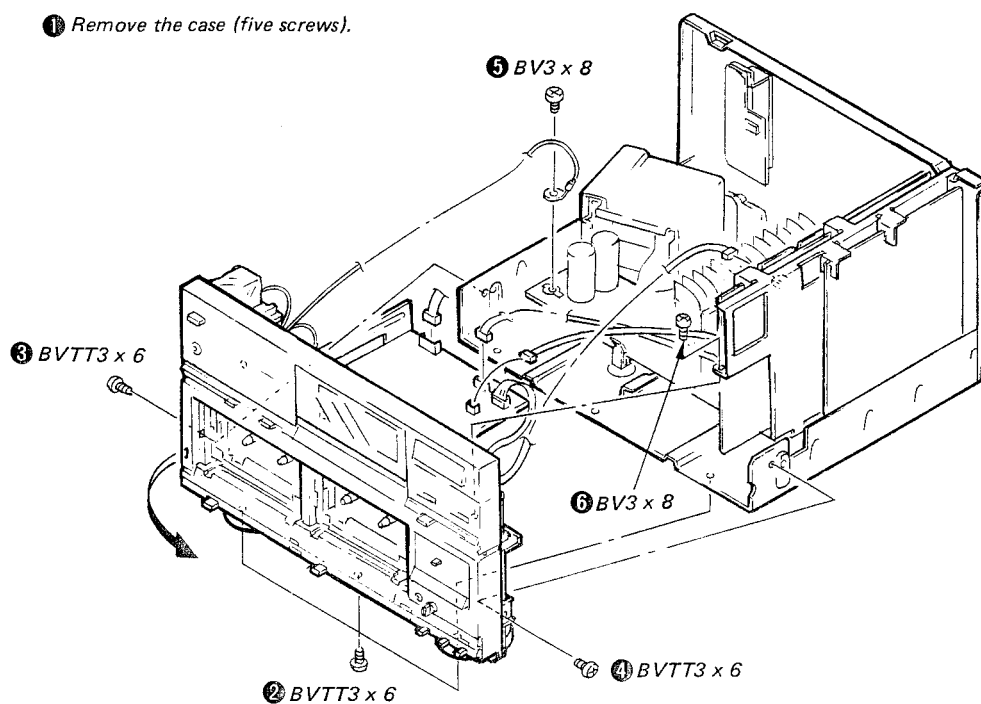
- ①, ② : MIC board

- ③ - ⑤ : dubbing sw board

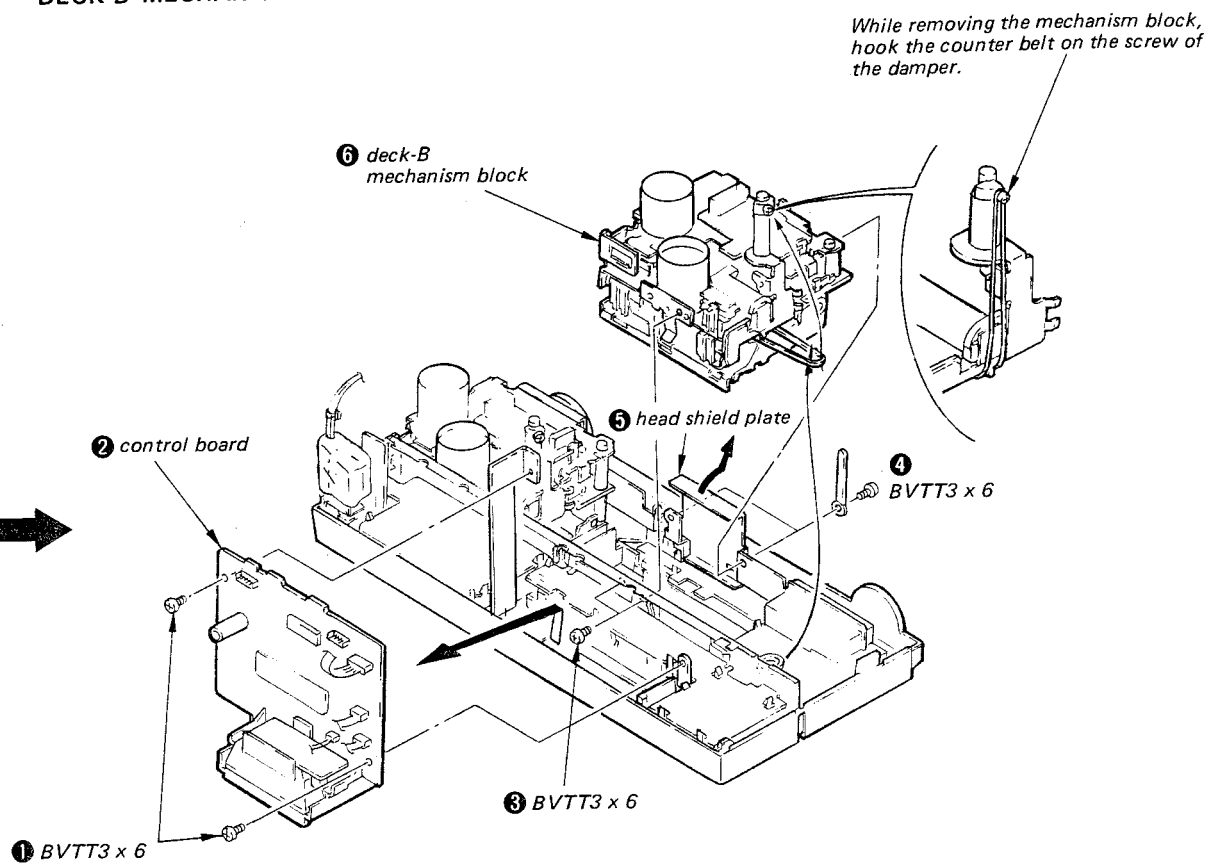


#### FRONT PANEL REMOVAL

- ① Remove the case (five screws).



## DECK-B MECHANISM BLOCK REMOVAL



## SECTION 3

### ADJUSTMENTS

#### 3-1. MECHANICAL ADJUSTMENTS

##### PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:
 

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

##### Torque Measurement

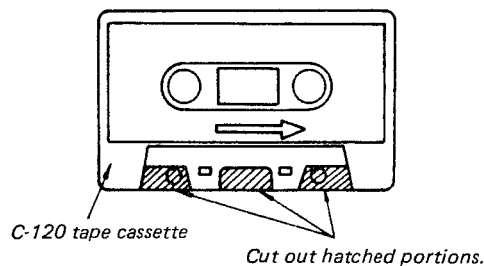
Torque	Torque meter	Meter reading
FWD	CQ-102C	25 to 75 g·cm (0.35 to 1.04 oz·inch)
FWD Back tension	CQ-102C	1 to 10 g·cm (0.014 to 0.14 oz·inch)
REV	CQ-102RB	25 to 75 g·cm (0.35 to 1.04 oz·inch)
REV Back tension	CQ-102RB	1 to 10 g·cm (0.014 to 0.14 oz·inch)
FF, REW	CQ-201B	80 to 180 g·cm (1.11 to 2.5 oz·inch)

##### Head Height Adjustment

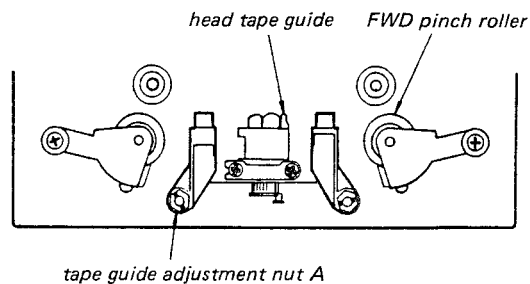
**Procedure:** for the both decks A, B

Insert a mirror cassette or adjustment cassette, then adjust the adjustment nut A or B so that the tape is smoothly inserted into REC/PB head tape guide when pushing the head base out by manual.

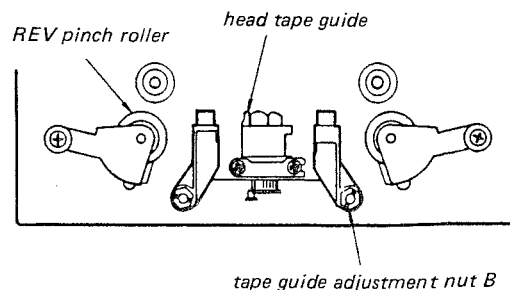
1. Insert a mirror cassette (or prepare an adjustment cassette as shown below).



2. Insert a mirror cassette (or adjustment cassette), then playback in FWD mode. Adjust tape guide adjustment nut A to eliminate tape curl at FWD pinch roller or head tape guide.



3. Playback in REV mode, then adjust tape guide adjustment nut B to eliminate tape curl at REV pinch roller or head tape guide.



### 3-2. ELECTRICAL ADJUSTMENTS

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

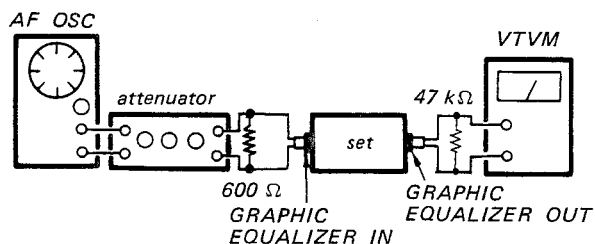
- Switches and controls should be set as follows unless otherwise specified.

BASS control . . . . . mechanical center  
 TREBLE control . . . . . mechanical center  
 BALANCE control . . . . . mechanical center  
 MIXING VOLUME control . . . SOURCE  
 DUAL DOL switch . . . . . OFF  
 DOLBY NR switch . . . . . OFF  
 DIR MODE switch . . . . .  $\rightleftarrows$   
 TIMER switch . . . . . OFF

- Standard Record:

Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Mode: record



- Standard Input Level

	GRAPHIC EQUALIZER IN
source impedance	600 $\Omega$
input level	-7 dB

- Standard Output Level

	GRAPHIC EQUALIZER OUT
load impedance	47 k $\Omega$
output level	-6 dB

- Test Tape

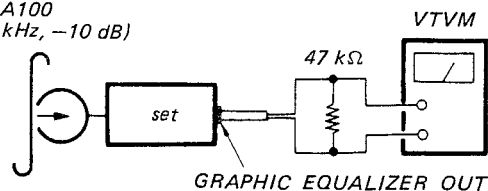
Type	Signal	Used for
P-4-A100	10 kHz, -10 dB	head azimuth
P-4-L300	315 kHz, 0 dB	playback level
WS-48B	3 kHz, 0 dB	tape speed
CS-121	no signal (type I)	record
CS-412	no signal (type IV)	record

#### Record/playback Head Azimuth Adjustment

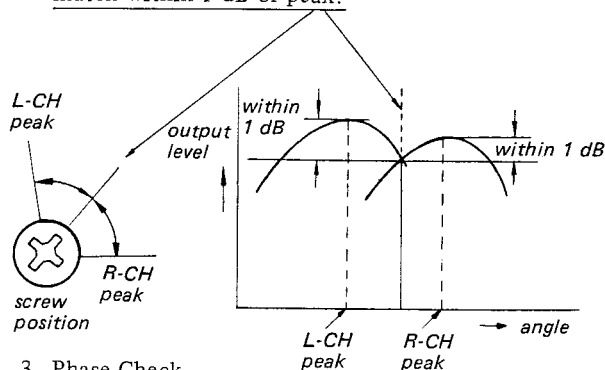
Procedure: for the both decks A, B

1. Mode: playback

test tape  
 P-4-A100  
 (10 kHz, -10 dB)



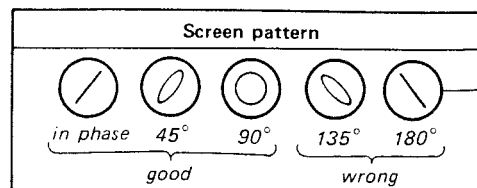
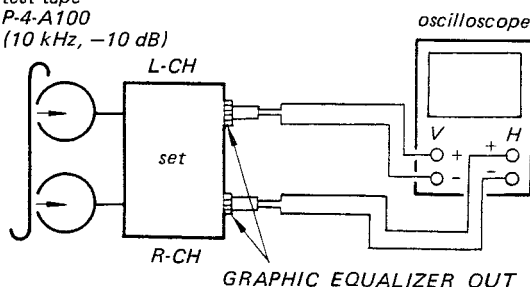
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



3. Phase Check

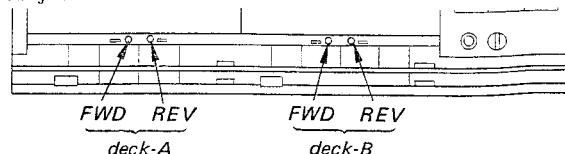
Mode: playback

test tape  
 P-4-A100  
 (10 kHz, -10 dB)



4. Perform steps 1-3 in reverse playback mode, and adjust the adjustment screw until output level of both forward and reverse playback modes matches together.
5. After the adjustment, lock the screws with locking compound.

Adjustment Location:

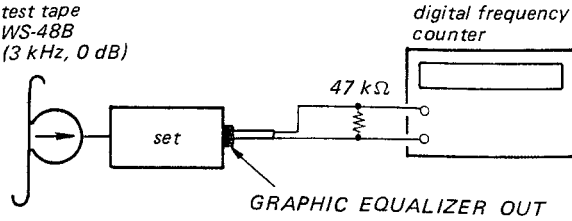


### Tape Speed Adjustment

**Procedure:** for the both decks A, B

Mode: playback

test tape  
WS-48B  
(3 kHz, 0 dB)



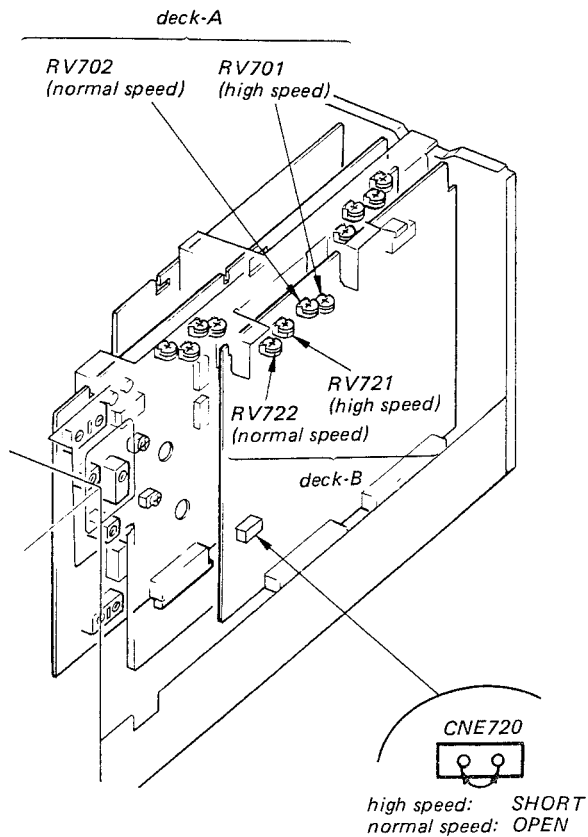
#### Specifications:

When put the set into high-speed mode, be sure to short CNE720 after putting into FWD PB mode.

	Adjustment part		Digital frequency counter
Normal speed	Deck-A	RV702	2,980 to 3,020 Hz
	Deck-B	RV722	
High speed	Deck-A	RV701	5,960 to 6,040 Hz
	Deck-B	RV721	

**Note:** Be sure to perform the high speed adjustment at first.

**Adjustment Location:** system control board



**Note:** When put the set into high-speed mode, be sure to short CNE720 after putting into FWD PB mode.

### Playback Level Adjustment

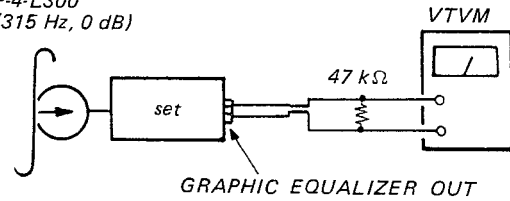
**Setting:**

MIXING VOLUME control: SOURCE

**Procedure:** for the both decks A, B

Mode: playback

test tape  
P-4-L300  
(315 Hz, 0 dB)



Adjust the following adjustable resistors so that the VTVM reading is 0.37 to 0.41 V (−6.5 to −5.5 dB).

Level difference between channels:

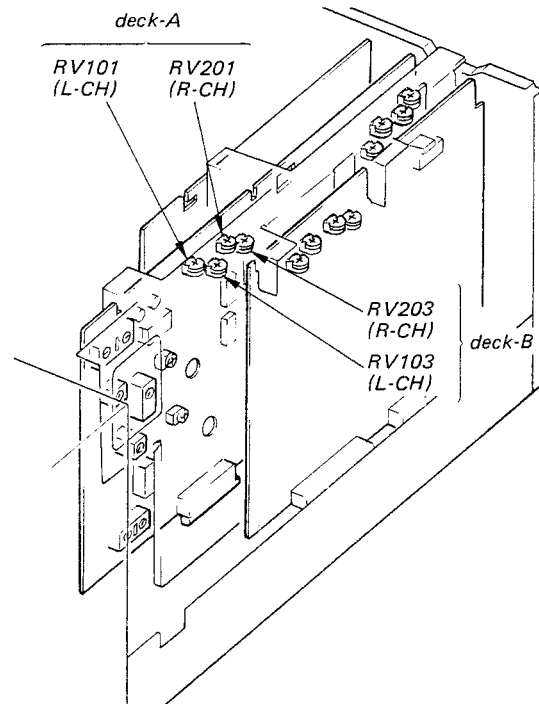
less than 0.5 dB

Deck A: RV101 (L-CH), RV201 (R-CH)

Deck B: RV103 (L-CH), RV203 (R-CH)

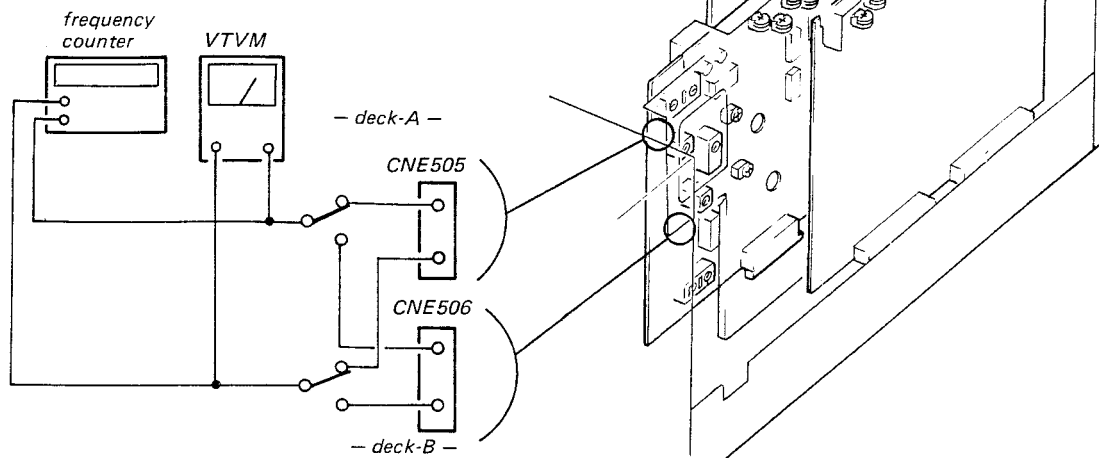
Check that the Line out level does not change in playback mode while changing the mode from playback to stop several times.

**Adjustment Location:** audio board



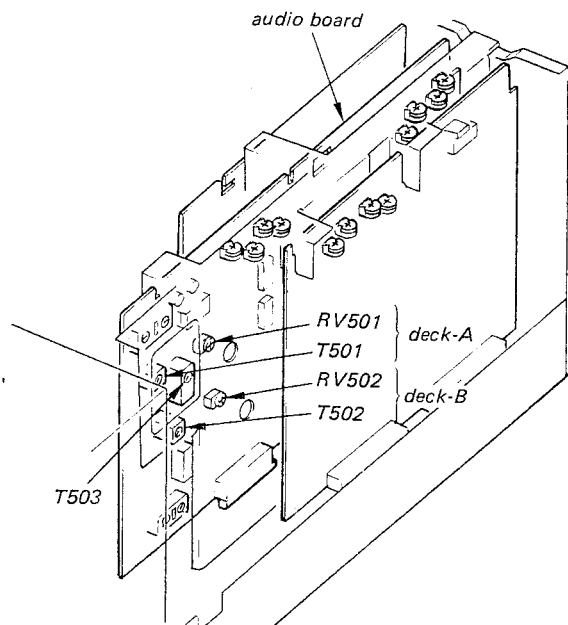
## Erasing Current Consumption Adjustment

Procedure: for the both decks A, B



1. Insert an adjustment tape CS-412, then put into REC mode.
2. Connect a frequency counter to CNE505 (deck-A) or CNE506 (deck-B), then confirm that the frequency is 105 kHz. (Within 100 – 110 kHz.) Adjust T503 when the frequency is not satisfied with the specification.
3. Connect VTVM to CNE505 and CNE506, then adjust T501 (deck-A) or T502 (deck-B) so that the VTVM reading (erasing current) is maximum.
4. Adjust RV501 (deck-A) or RV502 (deck-B) so that the VTVM reading is 170 mV. (Erasing current is 170 mA.)

Adjustment Location: audio board



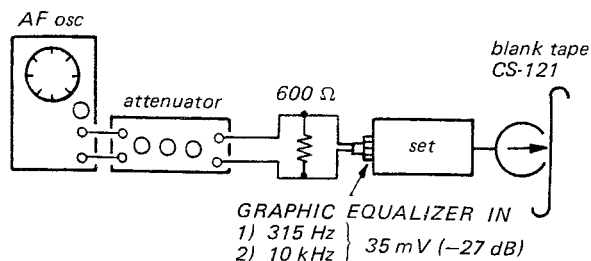
## Record Bias Adjustment

## Setting:

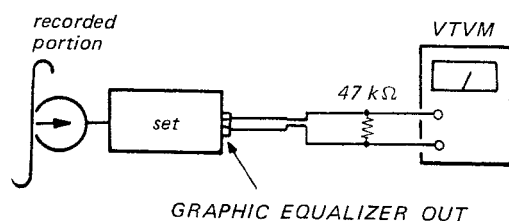
MIXING VOLUME control: SOURCE

Procedure: for the both decks A, B

1. Mode: record



2. Mode: playback



- Short CNE721 on system control board. (Release the LINE OUT muting.)

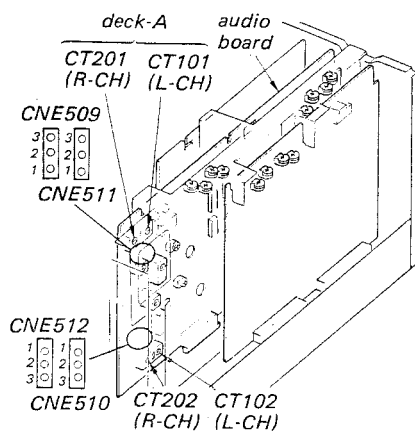
After adjustment, release the shorted CNE721.

Confirm that the 10 kHz playback output is 0 dB  $\pm 0.5$  dB relative to the 315 Hz output. If necessary, adjust CT101 (L-CH), CT201 (R-CH) of deck-A or CT102 (L-CH), CT202 (R-CH) of deck-B and repeat the steps given above.

In case this adjustment cannot be performed even if the trimmer is maximum, short between 1 – 2 of CNE511, 509 (deck-A) or CNE510, 512 (deck-B).

In case this adjustment cannot be performed even if the trimmer is loosened, short 2 – 3 of CNE511, 509 (deck-A) or CNE510, 512 (deck-B).

Adjustment Location: audio board



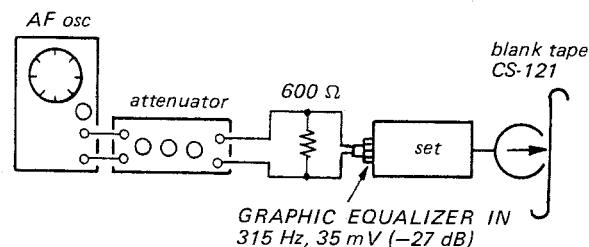
## Record Level Adjustment

## Setting:

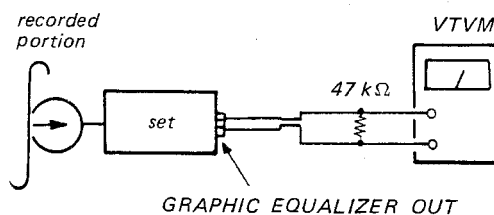
MIXING VOLUME control: SOURCE

Procedure: for the both decks A, B

1. Mode: record



2. Mode: playback



- Short CNE721 on system control board. (Release the LINE OUT muting.)

After adjustment, release the shorted CNE721.

3. Playback the signal recorded in step 1.

Confirm that the signal levels is within the specification below. If necessary, adjust RV102 (L-CH), RV202 (R-CH) of deck-A or RV104 (L-CH), RV204 (R-CH) of deck-B and repeat the step 1-3.

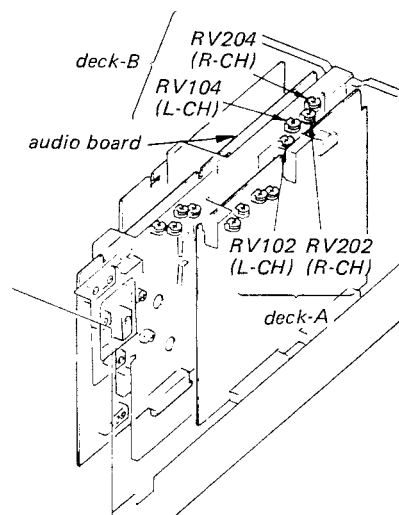
Specification:

GRAPHIC EQUALIZER OUT level:

37 to 41 mV

(-26.5 to -25.5 dB)

Adjustment Location: audio board





## SECTION 4 DIAGRAMS

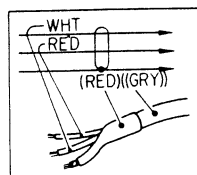
### 4-1. MOUNTING DIAGRAM — CASSETTE PLAYER AUDIO SECTION — — Conductor Side —

#### • SEMICONDUCTOR LOCATION

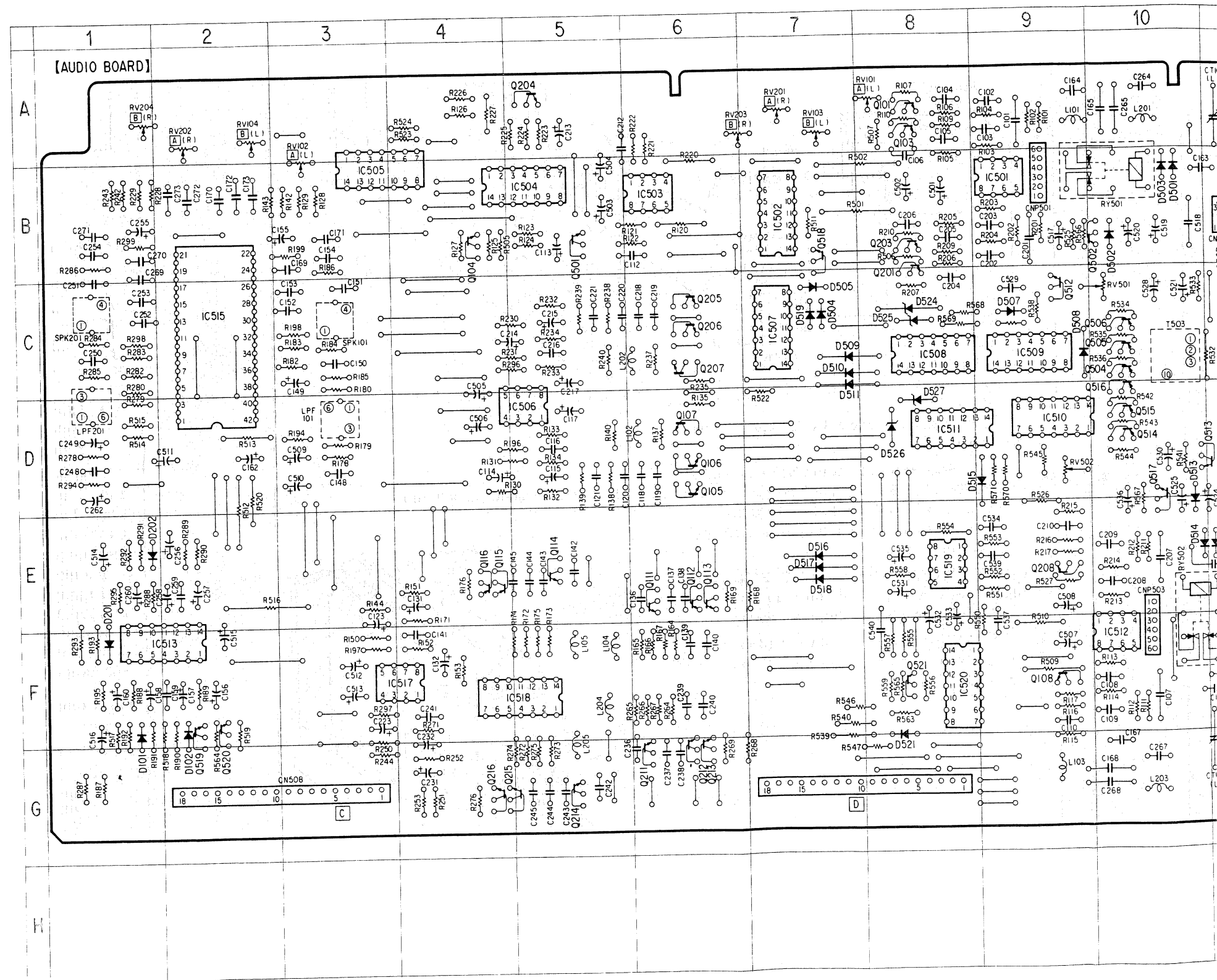
Ref. No.	Location	Ref. No.	Location
D101	F-1	Q101	A-8
D102	F-2	Q103	A-8
D201	F-1	Q104	B-4
D202	E-1	Q105	D-6
D501	B-10	Q106	D-6
D502	B-10	Q107	D-6
D503	B-10	Q108	F-9
D504	C-7	Q111	E-6
D505	C-7	Q112	E-6
D507	C-9	Q113	E-6
D508	C-9	Q114	E-5
D509	C-7	Q115	E-4
D510	C-7	Q116	E-4
D511	D-7	Q201	C-8
D512	E-11	Q203	B-8
D513	D-10	Q204	A-5
D514	E-10	Q205	C-6
D515	D-9	Q206	C-6
D516	E-7	Q207	C-6
D517	E-7	Q208	E-9
D518	E-7	Q211	G-6
D519	C-7	Q212	G-6
D521	G-8	Q213	G-6
D524	C-8	Q214	G-5
D525	C-8	Q215	G-4
D526	D-8	Q216	G-4
D527	D-8	Q501	B-5
IC501	B-9	Q502	B-10
IC502	B-7	Q503	C-11
IC503	B-6	Q504	C-10
IC504	B-5	Q505	C-10
IC505	B-3	Q506	C-10
IC506	D-5	Q508	C-11
IC507	C-7	Q509	C-11
IC508	C-8	Q510	C-11
IC509	C-9	Q511	D-11
IC510	D-9	Q512	C-9
IC511	D-8	Q513	D-10
IC512	F-10	Q514	D-10
IC513	F-2	Q515	D-10
IC515	C-2	Q516	D-10
IC517	F-4	Q517	D-10
IC518	F-5	Q518	B-7
IC519	E-8	Q519	F-2
IC520	F-8	Q520	F-2
		Q521	F-8

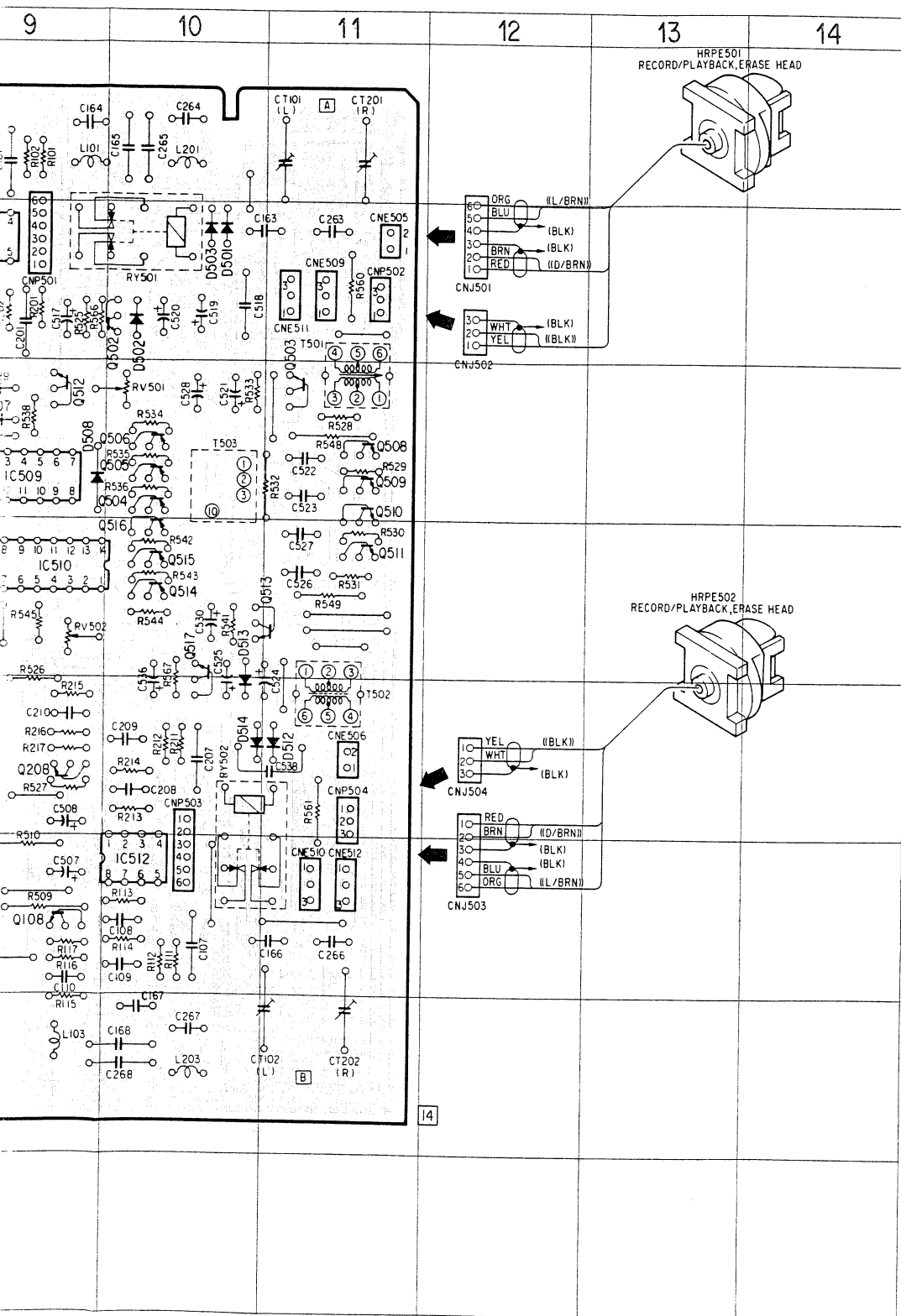
#### Note:

- Color code or sleeving over the end of the jacket.

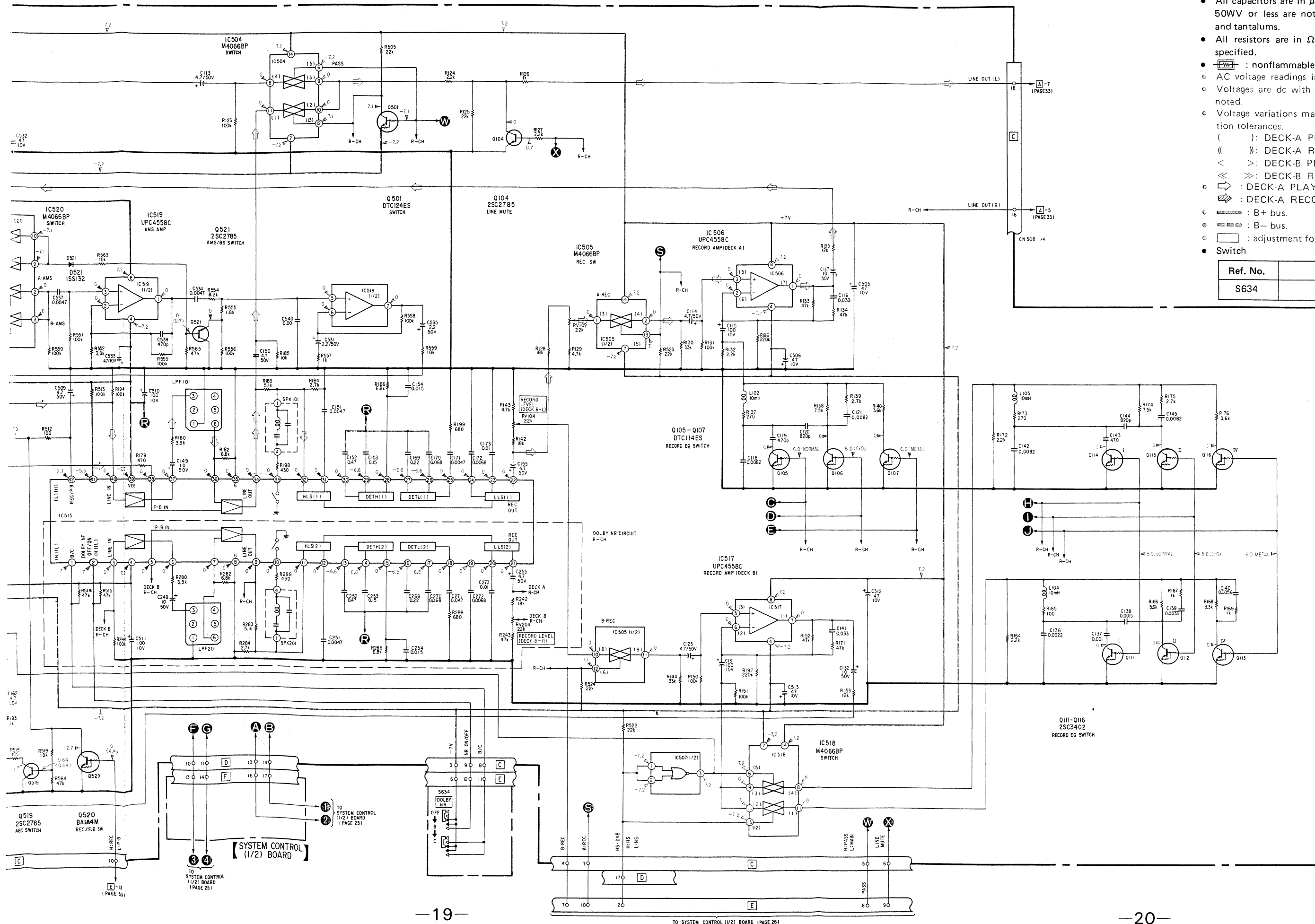


- — : parts extracted from the component side.
- ■ : part mounted on the conductor side.
- □ : indicates side identified with part number.





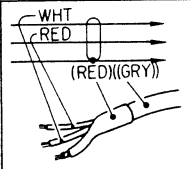




- Note:**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.
  - : nonflammable resistor.
  - AC voltage readings in the bias oscillator with a VTVM.
  - Voltages are dc with respect to ground unless otherwise noted.
  - Voltage variations may be noted due to normal production tolerances.
  - ( ) : DECK-A PLAY
  - ( ) : DECK-A REC
  - < > : DECK-B PLAY
  - < > : DECK-B REC
  - : DECK-A PLAYBACK SIGNAL (L-CH)
  - : DECK-A RECORD SIGNAL (L-CH)
  - : B+ bus.
  - : B- bus.
  - : adjustment for repair.
  - Switch

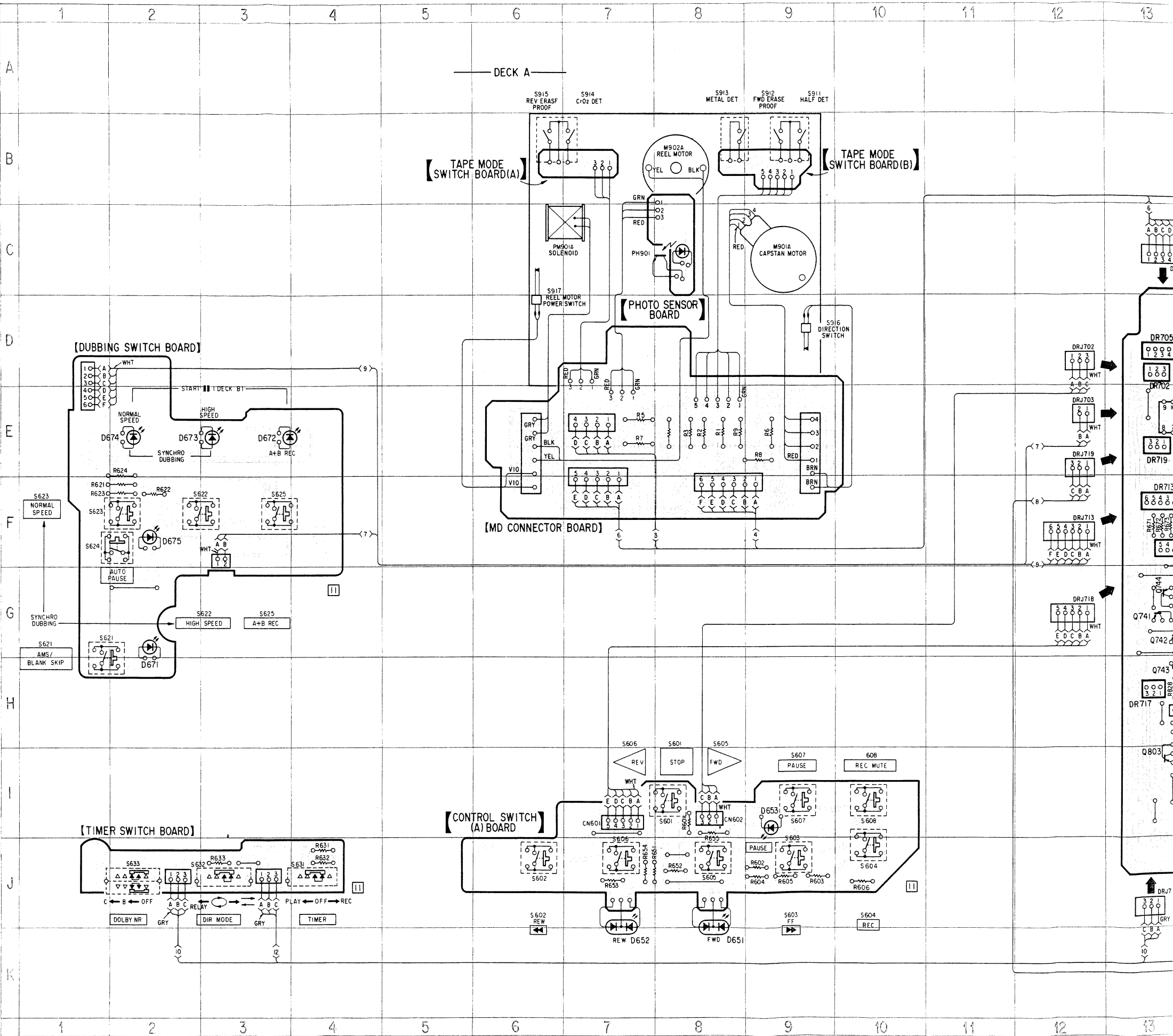
Ref. No.	Switch	Position
S634	DOLBY NR	OFF

4-3. MOUNTING DIAGRAM — SYSTEM CONTROL SECTION —

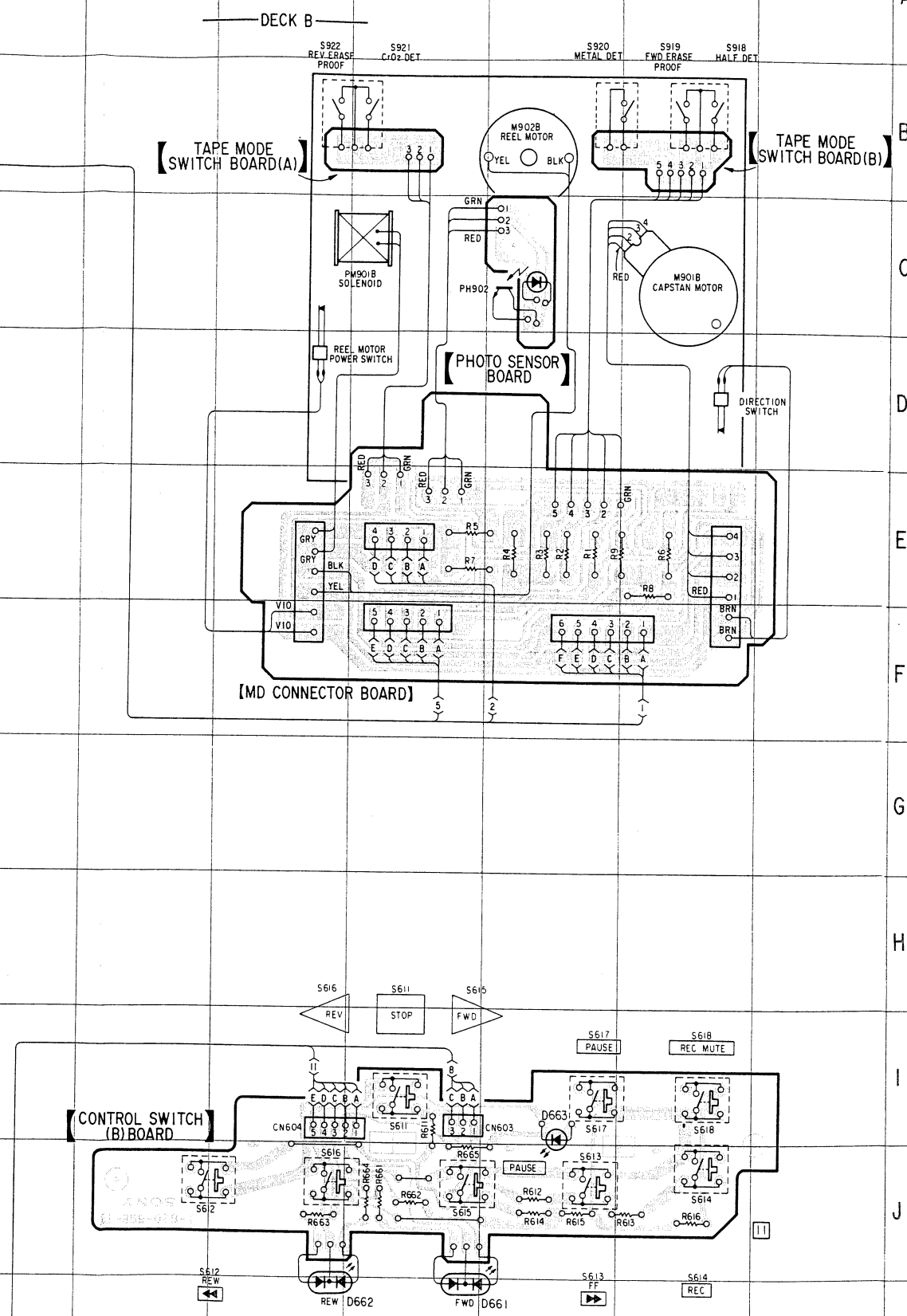
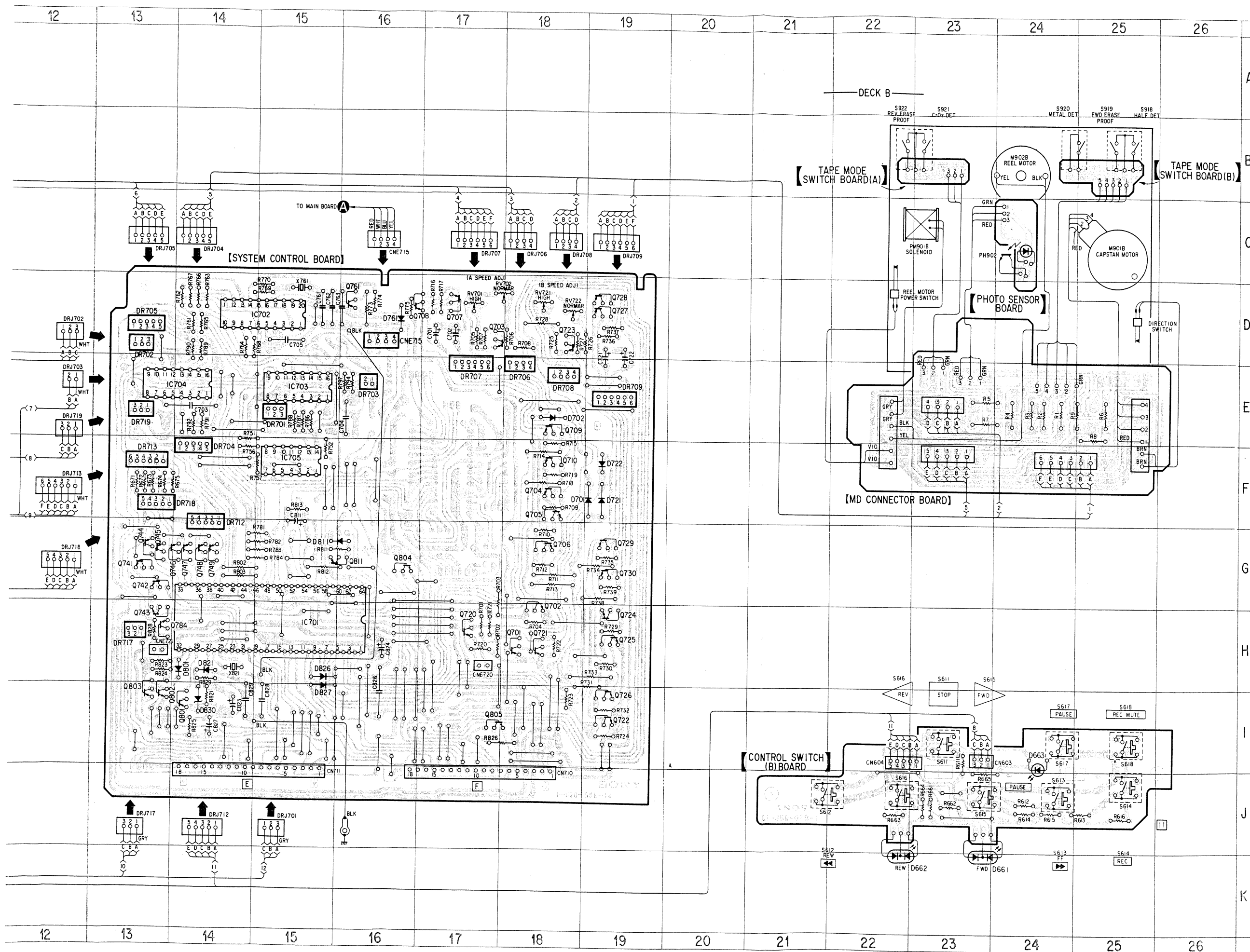
- Note:**
- Color code or sleeving over the end of the jacket.
- 
- —○— : parts extracted from the component side.
  - ■ : part mounted on the conductor side.
  - □ : indicates side identified with part number.

• SEMICONDUCTOR LOCATION

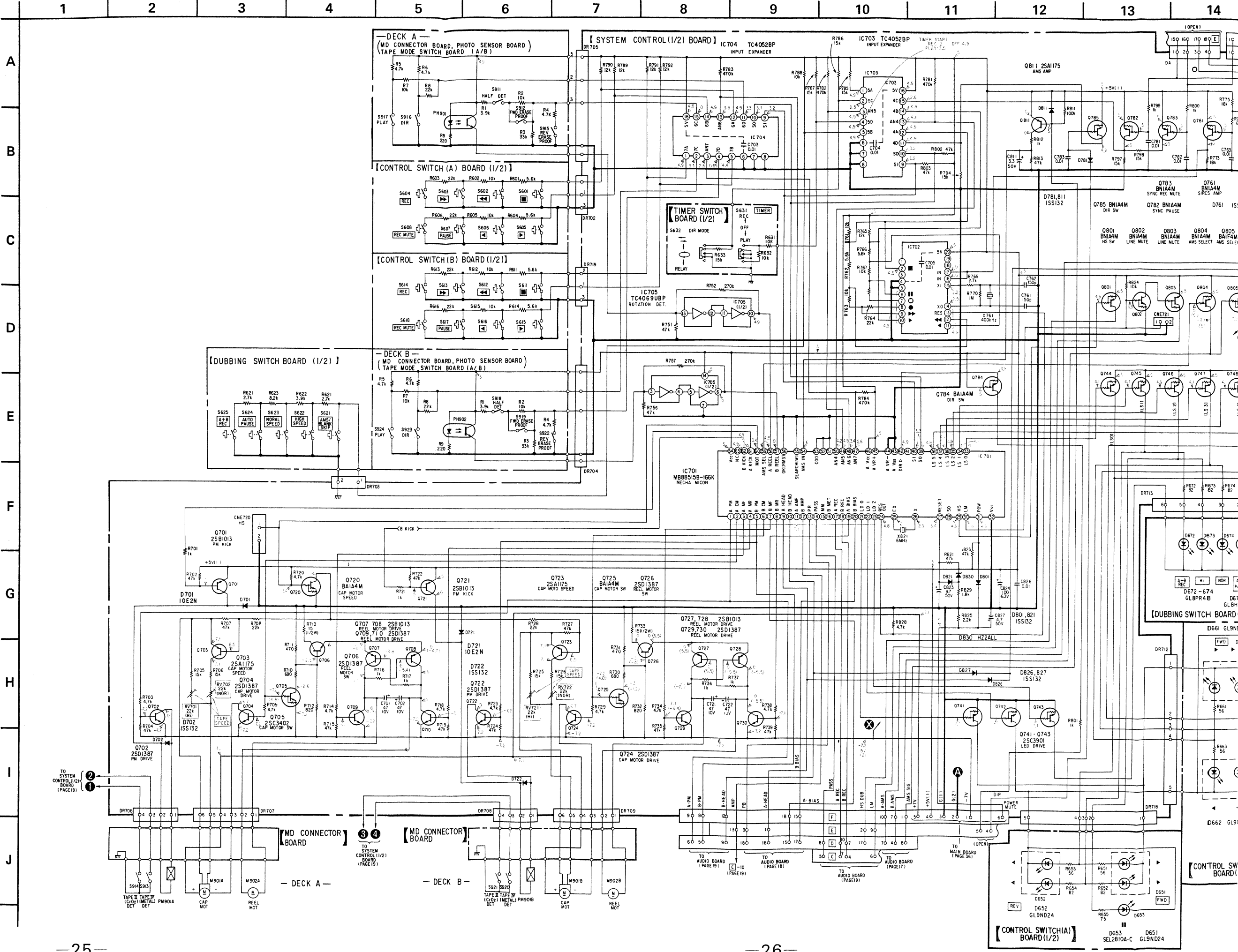
Ref. No.	Location	Ref. No.	Location
D651	K-8	Q720	H-17
D652	K-7	Q721	H-18
D653	I-9	Q722	I-19
D661	K-23	Q723	D-18
D662	K-22	Q724	H-19
D663	I-24	Q725	H-19
D671	G-2	Q726	I-19
D672	E-3	Q727	D-19
D673	E-3	Q728	D-19
D674	E-2	Q729	G-19
D675	F-2	Q730	G-19
D701	F-19	Q741	G-13
D702	E-18	Q742	G-13
D721	F-19	Q743	H-13
D722	F-19	Q744	G-13
D761	D-16	Q745	G-13
D801	H-14	Q746	G-14
D811	G-15	Q747	G-14
D821	H-14	Q748	G-14
D826	H-15	Q749	G-14
D827	I-15	Q761	D-16
D830	I-14	Q784	H-13
IC701	H-15	Q801	I-14
IC702	D-15	Q802	I-13
IC703	E-15	Q803	I-13
IC704	E-14	Q804	G-16
IC705	F-15	Q805	I-17
		Q811	G-15
PH901	C-8		
PH902	C-24		
Q701	H-18		
Q702	H-18		
Q703	D-17		
Q704	F-18		
Q705	F-18		
Q706	G-18		
Q707	D-17		
Q708	D-16		
Q709	E-18		
Q710	F-18		



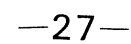




4-4. SCHEMATIC DIAGRAM  
- SYSTEM CONTROL SECTION -








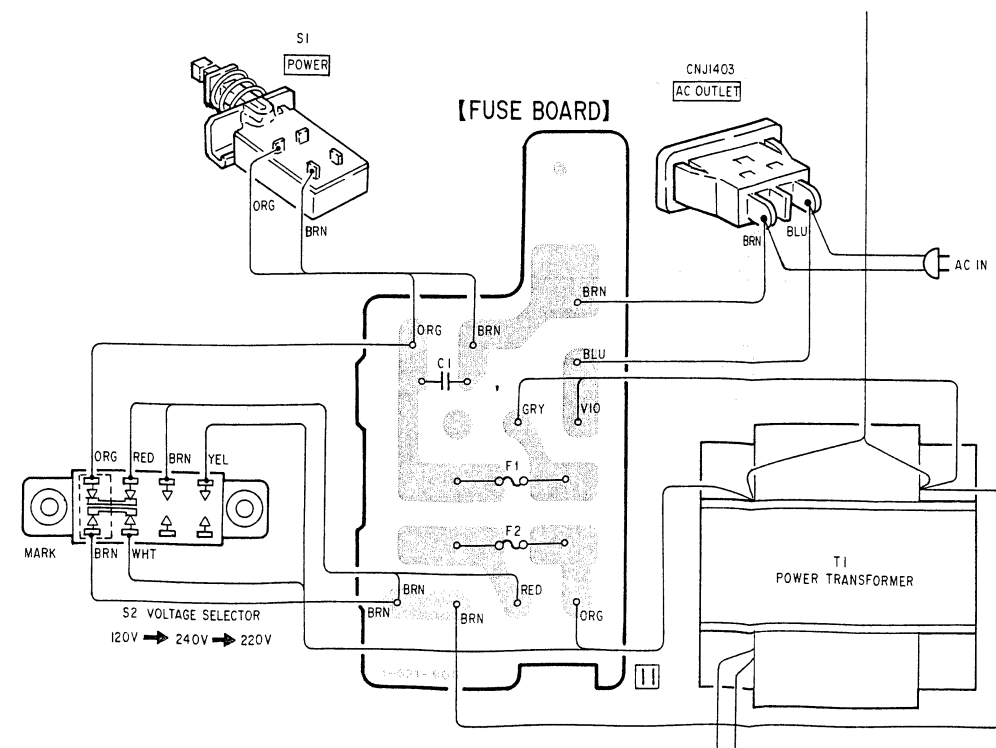
**DXA-D9      DXA-D9**

**Note:**

- | Ref. No. | Switch                          | Position  |
|----------|---------------------------------|---|
| S601     | ■                               | OFF   |
| S602     | ◀◀                              | OFF   |
| S603     | ▶▶                              | OFF   |
| S604     | REC                             | OFF   |
| S605     | ▶                               | OFF   |
| S606     | ◀                               | OFF   |
| S607     | PAUSE                           | OFF   |
| S608     | REC MUTE                        | OFF   |
| S611     | ■                               | OFF   |
| S612     | ◀◀                              | OFF   |
| S613     | ▶▶                              | OFF   |
| S614     | REC                             | OFF   |
| S615     | ▶                               | OFF   |
| S616     | ◀                               | OFF   |
| S617     | PAUSE                           | OFF   |
| S618     | REC MUTE                        | OFF   |
| S621     | AMS/BLANK SKIP                  | OFF   |
| S622     | HIGH SPEED                      | OFF   |
| S623     | NORMAL SPEED                    | OFF   |
| S624     | AUTO PAUSE                      | OFF   |
| S625     | A + B REC                       | OFF   |
| S631     | TIMER                           | OFF   |
| S632     | DIR MODE                        |  |
| S911     | HALF DET                        | OFF   |
| S912     | FWD ERASE PROOF                 | OFF   |
| S913     | TYPE IV (METAL) DET             | OFF   |
| S914     | TYPE II (CrO <sub>2</sub> ) DET | OFF   |
| S915     | REV ERASE PROOF                 | OFF   |
| S916     | DIR                             | OFF   |
| S917     | PLAY                            | OFF   |
| S918     | HALF DET                        | OFF   |
| S919     | FWD ERASE PROOF                 | OFF   |
| S920     | TYPE IV (METAL) DET             | OFF   |
| S921     | TYPE II (CrO <sub>2</sub> ) DET | OFF   |
| S922     | REV ERASE PROOF                 | OFF   |
| S923     | DIR                             | OFF   |
| S924     | PLAY                            | OFF   |

#### 4-5. MOUNTING DIAGRAM - POWER SUPPLY SECTION -

- **UK Model**

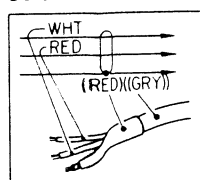


## SEMICONDUCTOR LOCATION

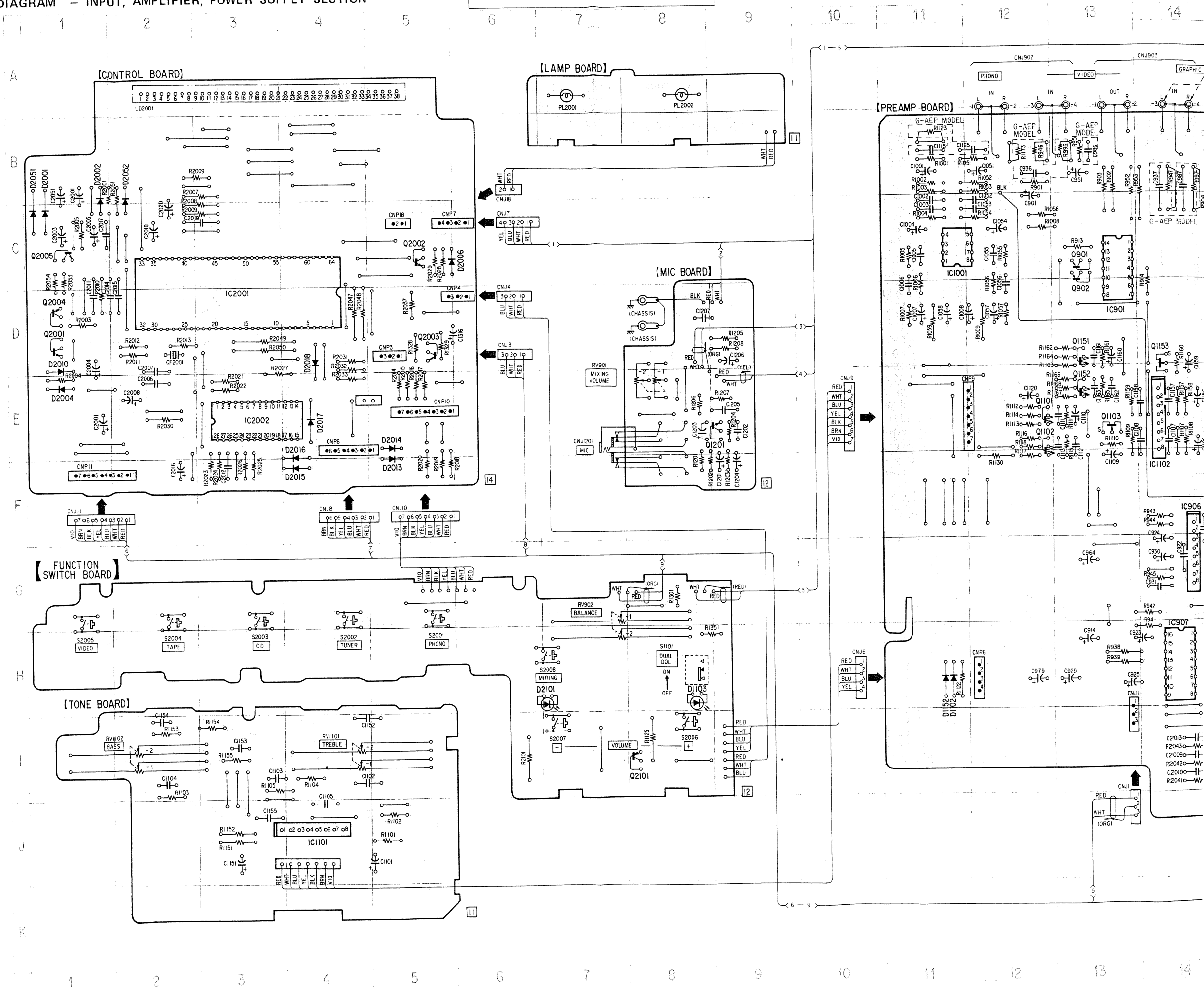
Ref. No.	Location	Ref. No.	Location
D1101	I-15	Q901	C-13
D1102	H-11	Q902	C-13
D1103	H-8	Q903	D-15
D1151	I-15	Q904	E-15
D1152	H-11		
D1301	F-23	Q954	E-15
D1302	F-21	Q1101	E-12
D1303	C-21	Q1102	E-12
D1304	E-21	Q1103	E-13
D1305	D-21	Q1151	D-13
	(E Model)	Q1152	E-13
D1351	C-23	Q1153	D-14
D1401	C-23	Q1201	E-9
D1402	H-22	Q1301	B-22
D1403	H-22	Q1302	F-23
D1404	B-30	Q1303	C-21
D1405	B-30	Q1351	C-22
D1406	B-30	Q1352	C-23
D1407	B-30	Q1401	G-24
D1408	J-26	Q1402	G-24
D1409	J-26	Q1403	H-24
D1410	J-25	Q1404	H-24
D1411	G-23	Q1405	H-24
D1412	I-30	Q1406	H-24
D1413	J-25	Q1407	H-22
D1414	J-26	Q1408	I-22
D1415	J-26	Q1409	G-24
D1416	G-23	Q1410	G-24
D1417	B-29	Q1411	G-24
	(UK Model)	Q1412	B-29
			(UK Model)
D2001	C-1	Q2001	D-1
D2002	B-1	Q2002	C-5
D2004	E-1	Q2003	D-5
D2005	J-25	Q2004	D-1
D2006	C-5	Q2005	C-1
D2010	D-1	Q2101	I-8
D2013	F-5		
D2014	E-5		
D2015	F-4		
D2016	E-4		
D2017	E-4		
D2018	D-4		
D2051	C-1		
D2052	B-2		
D2101	H-7		
IC901	C-13		
IC902	D-15		
IC906	G-14		
IC907	H-14		
IC1001	C-11		
IC1101	J-4		
IC1102	E-14		
IC1301	D-24		
IC1302	D-21		
IC2001	D-3		
IC2002	E-3		

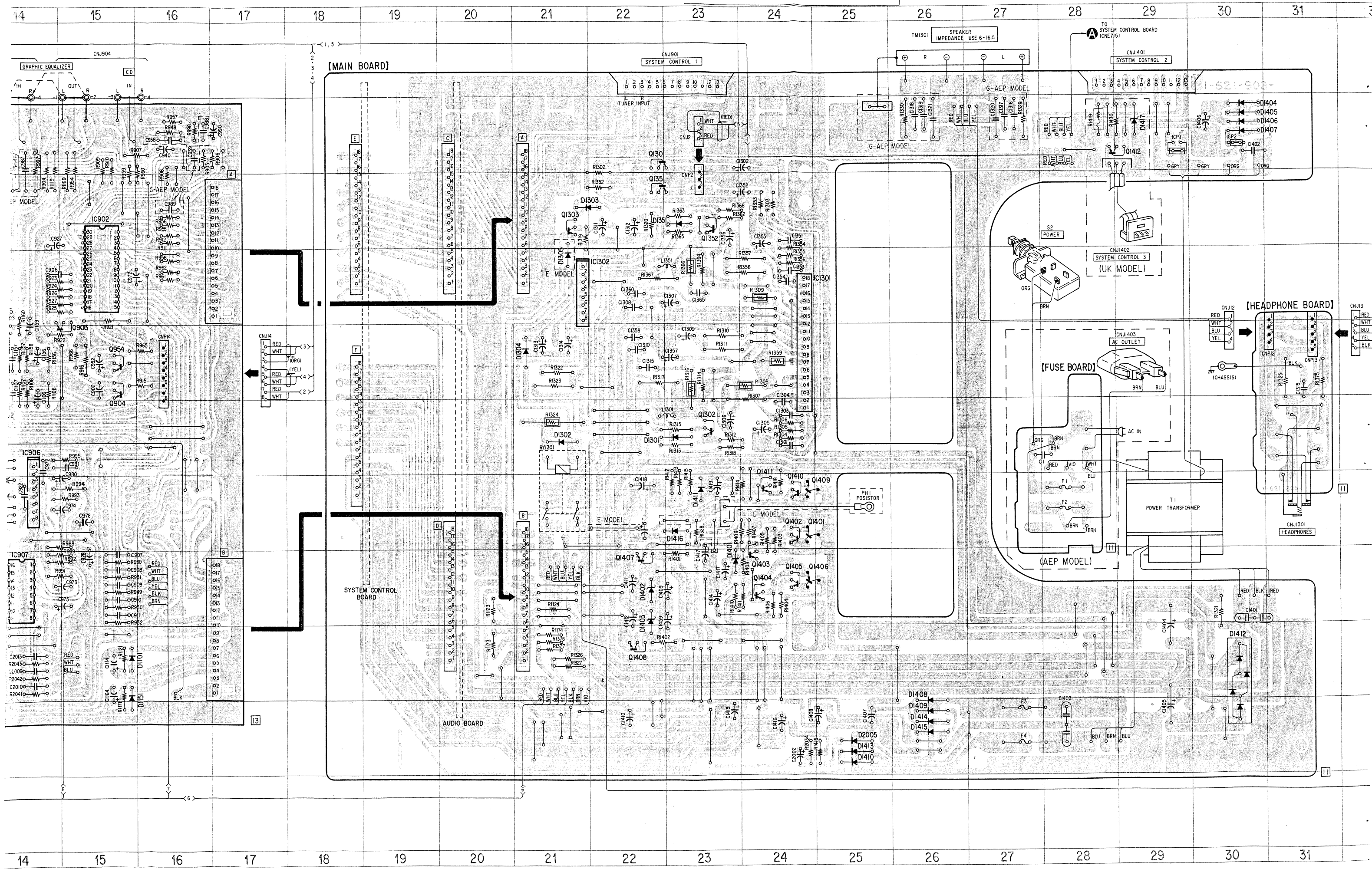
## Note:

- Color code or sleeving over the end of the jacket.



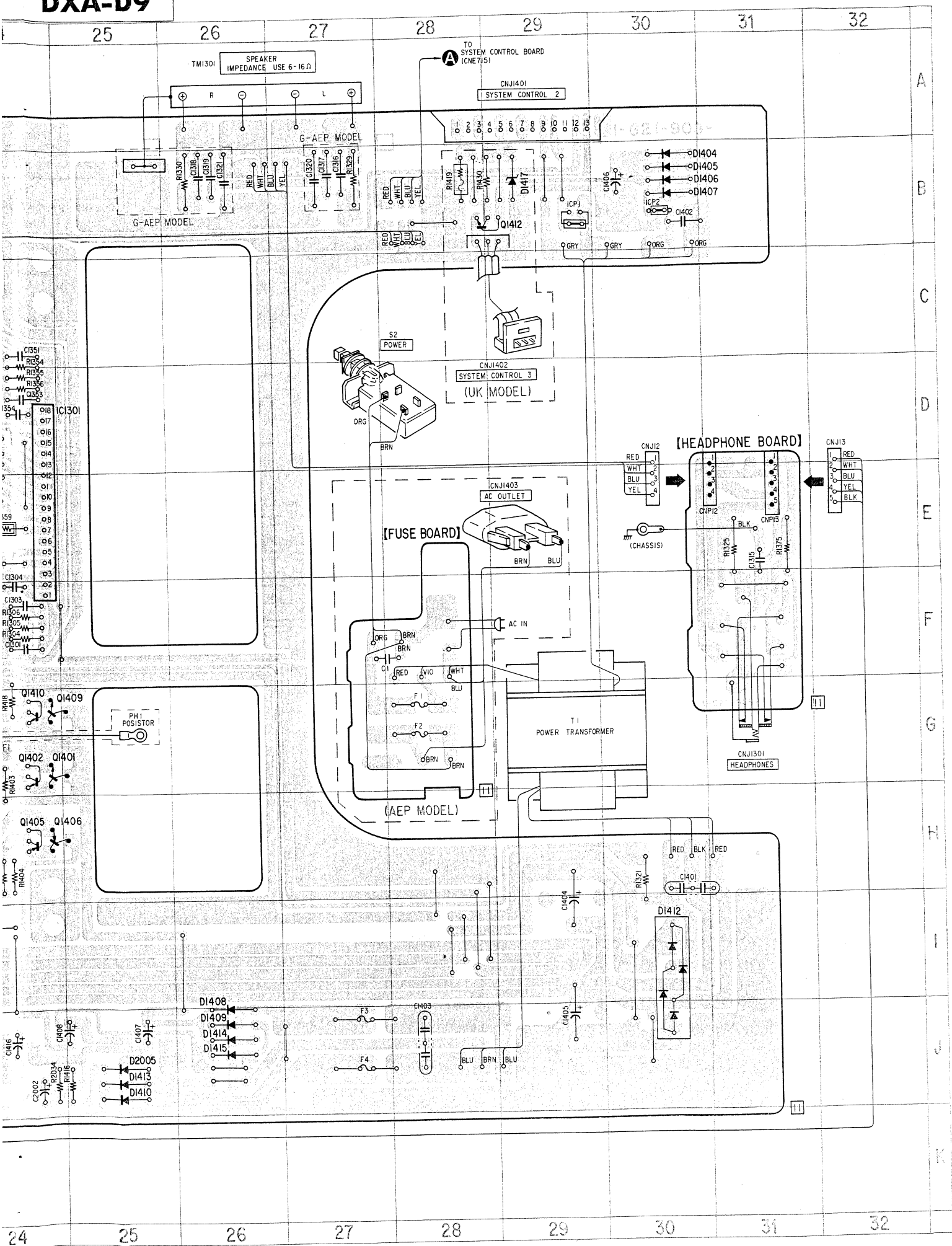
- : parts extracted from the component side.
- : part mounted on the conductor side.
- [ ] : indicates side identified with part number.



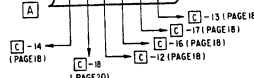


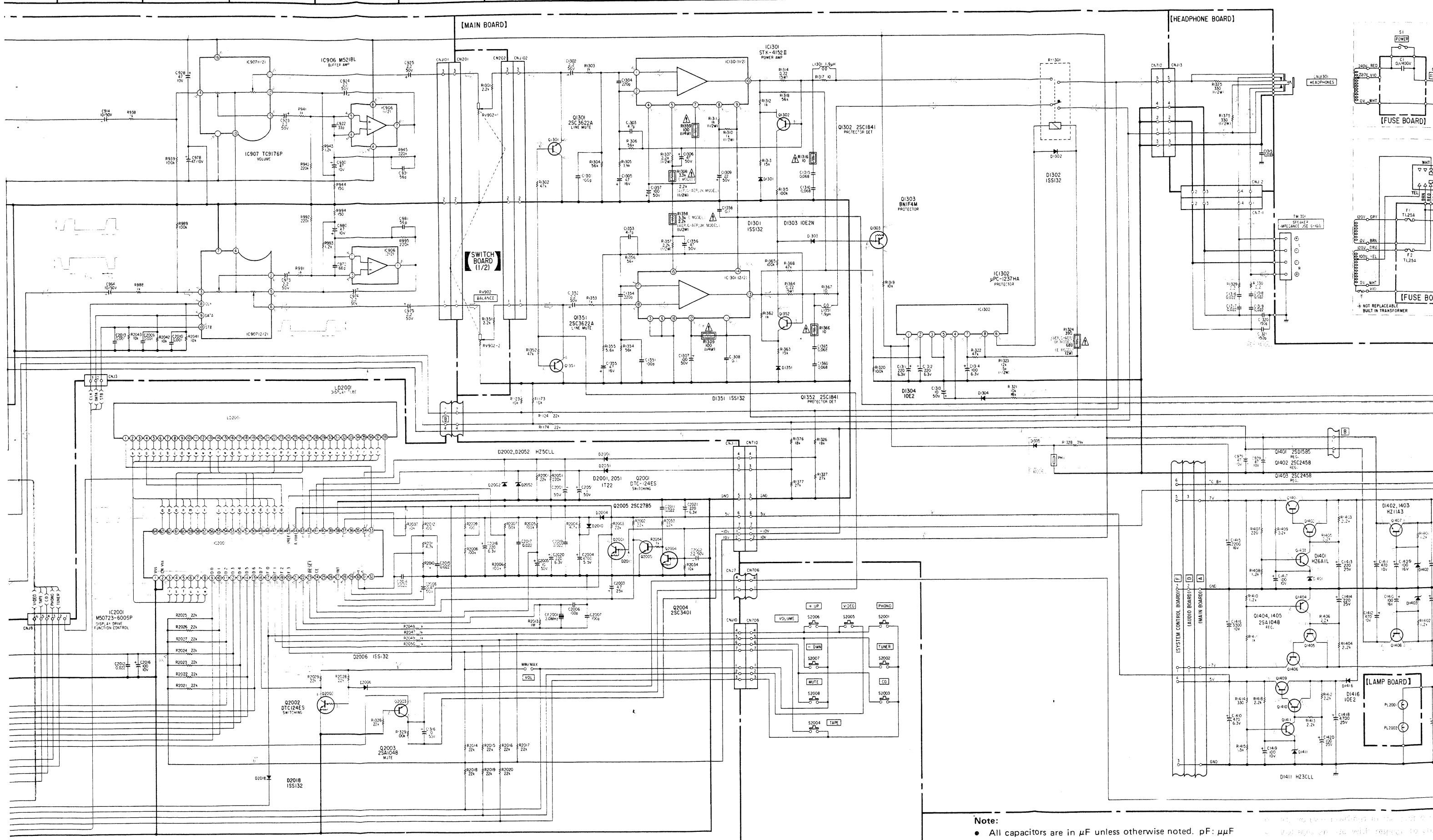


# DXA-D9





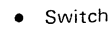
#### 4-7. SCHEMATIC DIAGRAM - INPUT, AMPLIFIER, POWER SUPPLY SECTION






**Note:**



- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF} : \mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.
-  : nonflammable resistor.
-  : fusible resistor.



Ref. No.	Switch	Position
S2	POWER	OFF
S1101	DUAL DOL	OFF
S2001	PHONO	OFF
S2002	TUNER	OFF
S2003	CD	OFF
S2004	TAPE	OFF
S2005	VIDEO	OFF
S2006	VOLUME/UP	OFF
S2007	VOLUME/DWN	OFF
S2008	MUTE	OFF

**Note:** The components identified by shading and mark  are critical for safety. Replace only with part number specified.

**Note:**  
The jumper plugs must be connected to the graphic equalizer IN/OUT terminals on the rear side of the set for sound reproduction when graphic equalizer is not in use.

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{M}$  50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4} \text{ W}$  or less unless otherwise specified.
-  : nonflammable resistor.
-  : fusible resistor.

< >: DECK-B PLAY

« »: DECK-B REC

e ~~connected~~ : B + bus.

⑥ 車種別 : B- bus.

⑥  : adjustment for repair.

c signal path.

⇒ : PHONO IN SIGNAL (L-CH)

➡ : PHONO IN SIGNAL (R-CH)

### REFERENCES



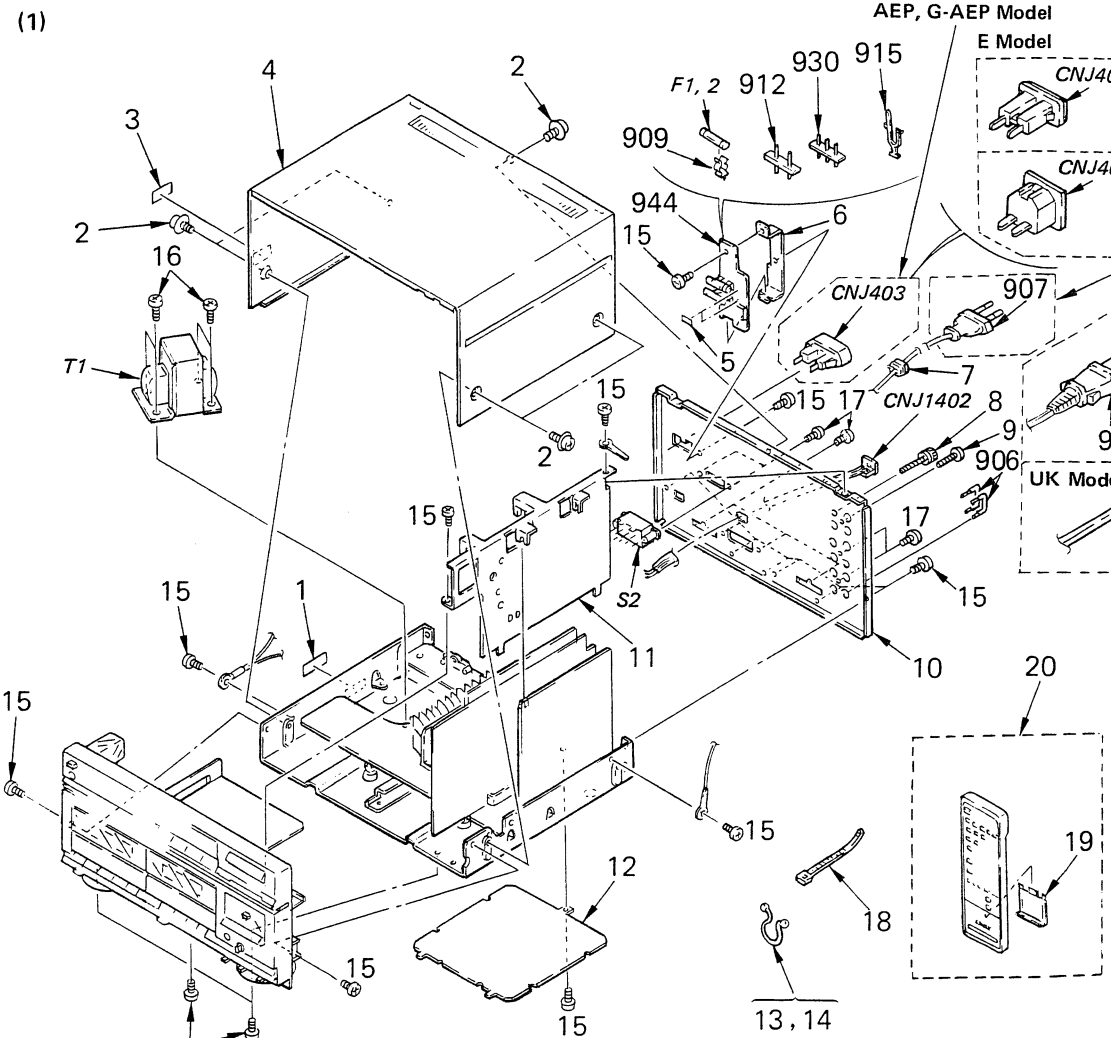
Semiconductor Lead Layouts

2SA1048-GR 2SA1348 2SC634SP 2SC3400 2SC3402 2SC3901	CX20187  (Top view)	M50783SP  (Top view)	1T22A  cathode anode
2SA1175  letter side	LA3220 TC4001BP TC4066BH TC4066BP TC4069UBP  (Top view)	STK4152II  12 n	RBV-602-01  + -
2SB1013 2SC1841 2SD1387 2SD1388  E C B	LC7818  (Top view)	STK4192MK2  MARKING SIDE VIEW	GL8HY48 GL8PR48  long short anode cathode
2SB1094-L 2SD1585-L  B C E	M5218L μPC1237HA  1 2 3 4 5 6 7 8	μPC4558C μPC4570C-1  (Top view)	GL9ND24  1 2 3 (G) (R)
2SC3622A-L  E B C	M54566P TC4052BP TC9176P  (Top view)	μPD6125G-510  (Top view)	GL9PG12  cathode anode
2SD774-5  E C B	M50761-417P  (Top view)	10E2N 1SS132 HZ2ALL HZ3BLL HZ3CLL HZ5CLL HZ6A2L HZ11B2L HZ12B2L	TLY124  long short anode cathode
2SK246BL  S G D	M50723-600SP MB88515B-233K  (Top view)		

NOTE:  
The mechanical parts with no reference number in the exploded views are not supplied.  
Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The construction parts of an assembled part are indicated with a collation number in the remark column.

The components critical for replacement are indicated by shading. Replace only with the same number and specification.



No.	Part No.	Description	Remarks	No.	Part No.	Description
1	*3-701-030-00	LABEL, SERIAL NUMBER		906	1-535-530-11	PLUG, JUMPER
2	4-886-821-01	SCREW, M3 CASE				
3	3-703-079-21	(UK)...LABEL, SUB CAUTION (BACK)		907	△.1-534-817-XX	(AEP,G-AEP)...CORD
4	4-917-264-12	CASE			△.1-551-884-00	(UK).....CORD
5	3-701-948-15	(E)...LABEL, FUSE			△.1-558-943-11	(E).....CORD
6	*4-902-812-01	HOLDER, FUSE PC BOARD				
				909	1-533-183-11	HOLDER, FUSE
7	*3-703-244-00	(AEP,G-AEP,UK)...BUSHING (2104), CORD		912	*1-535-139-00	BASE POST 22MM (10MM
	*3-703-571-00	(E).....BUSHING (4516), CORD		913	*1-535-140-00	BASE POST 22MM (10MM
				915	*1-535-476-11	(AEP,G-AEP)...TERM
8	3-706-165-00	(AEP,G-AEP,E)...SCREW		944	*1-621-906-11	PC BOARD, FUSE
9	3-703-473-00	SCREW, TERMINAL		946	△.1-526-565-00	(E3)...ADAPTOR, AC
10	*4-917-204-21	(UK).....PLATE, JACK		△CNJ403.1-526-751-00	(UK).....OUTL	
	*4-917-204-41	(E).....PLATE, JACK		△CNJ403.1-526-774-11	(E).....OUTL	
	*4-917-204-51	(AEP).....PLATE, JACK		△CNJ403.1-526-794-11	(AEP,G-AEP)...OUTL	
	*4-917-204-61	(G-AEP)...PLATE, JACK		CNJ1402*1-558-520-21	(UK)...CORD, 3P (	
11	*4-917-260-01	PLATE, SHIELD		F1	△.1-532-203-00	(AEP,G-AEP,UK)...F
12	*4-917-254-01	PLATE, BOTTOM		F1	△.1-532-285-00	(E)....FUSE, TIME
13	*3-701-417-00	PURSE LOCK (11 DIA.)		F2	△.1-532-203-00	(AEP,G-AEP)...FUSE
14	*2-056-666-00	HOLDER, WIRE		F2	△.1-532-285-00	(E)....FUSE, TIME
15	7-685-871-01	SCREW +BVTT 3X6 (S)				
				S2	△.1-570-307-11	(E)...SWITCH, VOLT.
16	7-685-881-01	SCREW +BVTT 4X8 (S)		T1	△.1-448-823-11	(E).....T
17	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		T1	△.1-448-824-11	(AEP,G-AEP,UK)...T
18	3-701-748-00	CLAMP				
19	2-394-123-01	LID, BATTERY (REMOTE COMMANDER)				
20	1-463-833-11	REMOTE COMMANDER (RM-L105)	19			

# SECTION 5


## EXPLODED VIEWS AND PARTS LIST

## NOTE:

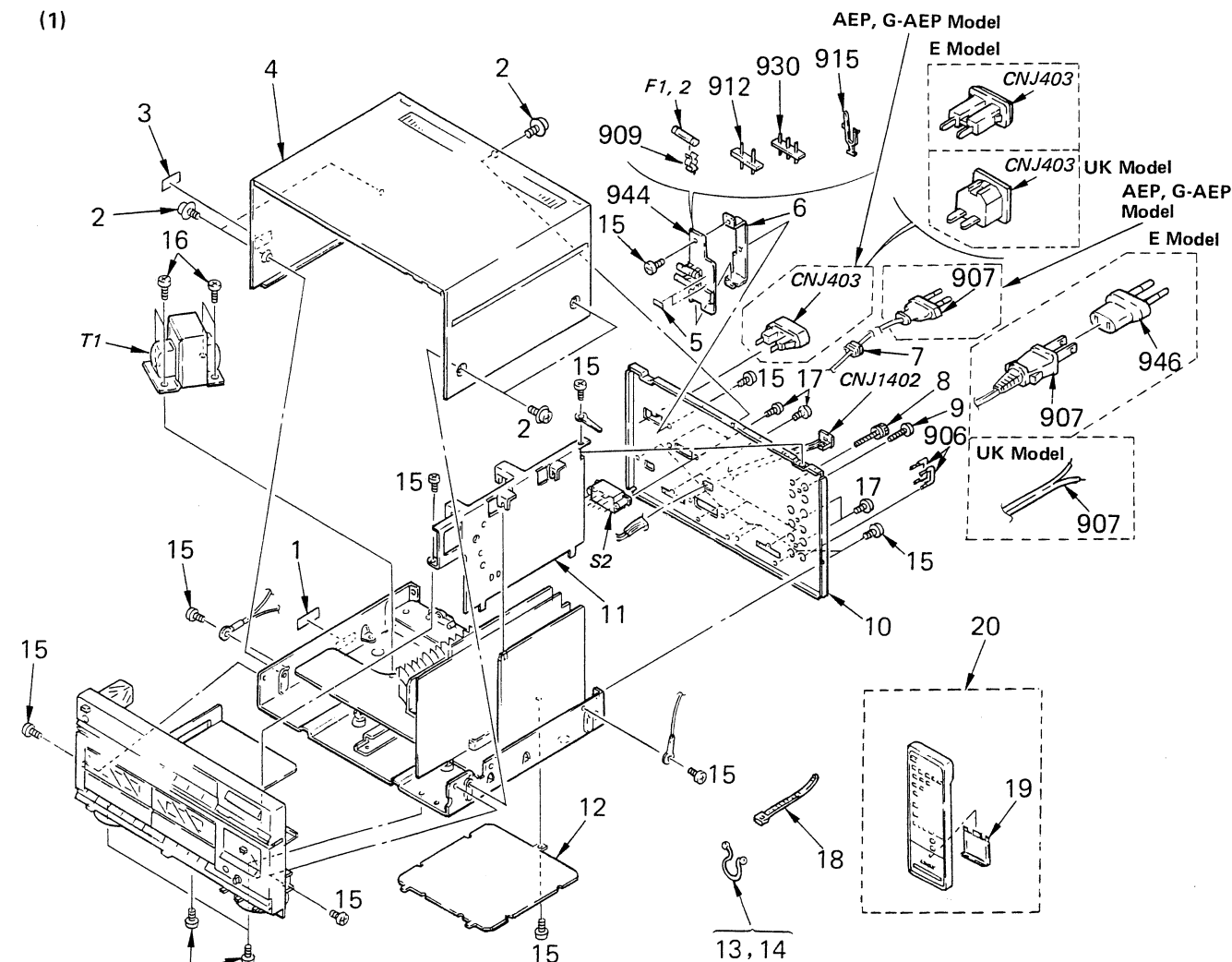
The mechanical parts with no reference number in the exploded views are not supplied.

Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.















The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

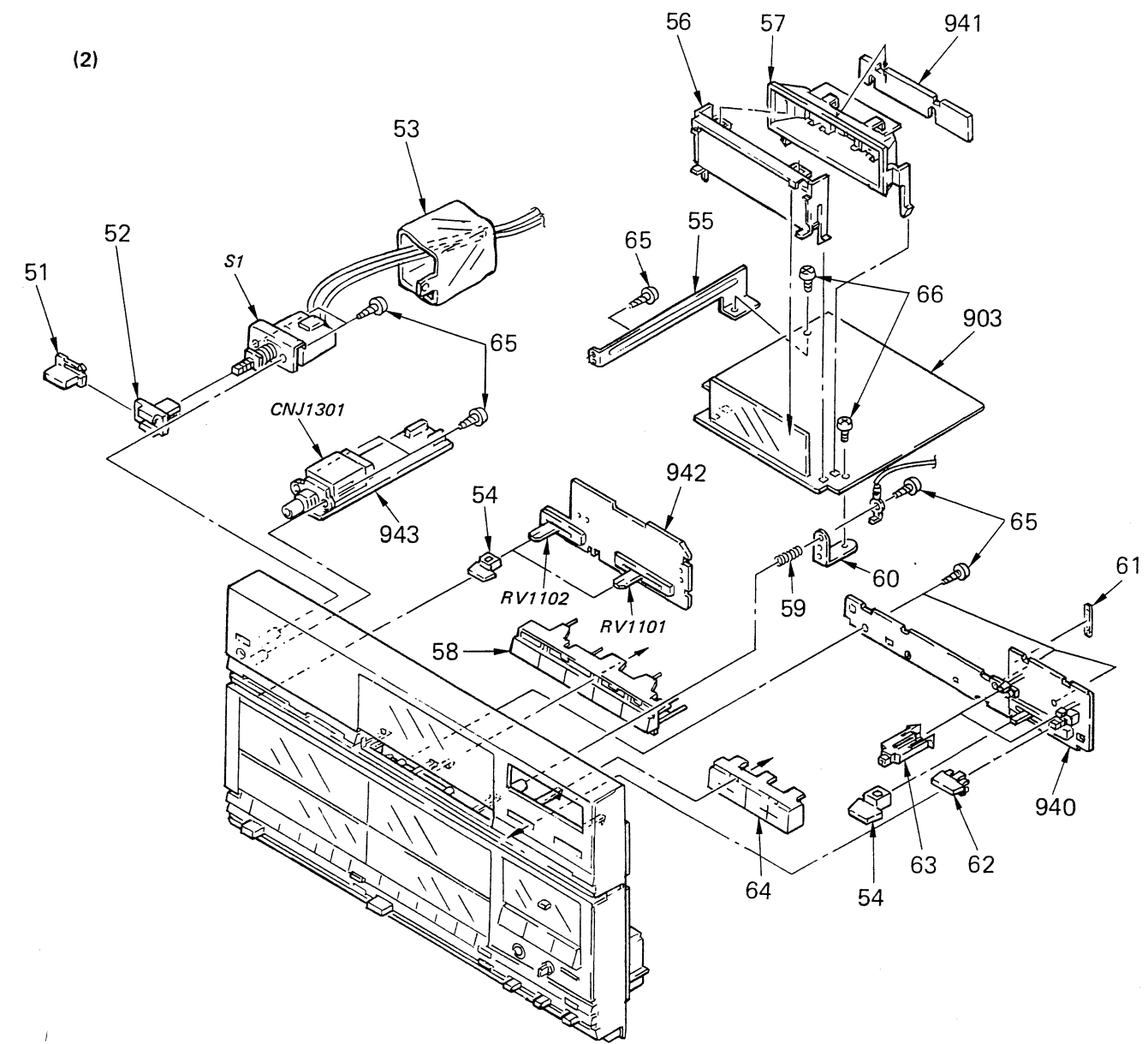
(1)




No.	Part No.	Description	Remarks
1	*3-701-030-00	LABEL, SERIAL NUMBER	
2	4-886-821-01	SCREW, M3 CASE	
3	3-703-079-21	(UK)...LABEL, SUB CAUTION (BACK)	
4	4-917-264-12	CASE	
5	3-701-948-15	(E)...LABEL, FUSE	
6	*4-902-812-01	HOLDER, FUSE PC BOARD	
7	*3-703-244-00	(AEP,G-AEP,UK)...BUSHING (2104), CORD	
	*3-703-571-00	(E).....BUSHING (4516), CORD	
8	3-706-165-00	(AEP,G-AEP,E)...SCREW	
9	3-703-473-00	SCREW, TERMINAL	
10	*4-917-204-21	(UK).....PLATE, JACK	
	*4-917-204-41	(E).....PLATE, JACK	
	*4-917-204-51	(AEP).....PLATE, JACK	
	*4-917-204-61	(G-AEP).....PLATE, JACK	
11	*4-917-260-01	PLATE, SHIELD	
12	*4-917-254-01	PLATE, BOTTOM	
13	*3-701-417-00	PURSE LOCK (11 DIA.)	
14	*2-056-666-00	HOLDER, WIRE	
15	7-685-871-01	SCREW +BVTT 3X6 (S)	
16	7-685-881-01	SCREW +BVTT 4X8 (S)	
17	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
18	3-701-748-00	CLAMP	
19	2-394-123-01	LID, BATTERY (REMOTE COMMANDER)	
20	1-463-833-11	REMOTE COMMANDER (RM-L105)	


No.	Part No.	Description	Remarks
906	1-535-530-11	PLUG, JUMPER	
907	 .1-534-817-XX	(AEP,G-AEP)...CORD, POWER, EULO PLUG	
	 .1-551-884-00	(UK).....CORD, POWER	
	 .1-558-943-11	(E).....CORD, POWER	
909	1-533-183-11	HOLDER, FUSE	
912	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P	
913	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P	
915	*1-535-476-11	(AEP,G-AEP)...TERMINAL	
944	*1-621-906-11	PC BOARD, FUSE	
946	 .1-526-565-00	(E3)...ADAPTOR, AC	
	 CNJ403.1-526-751-00	(UK).....OUTLET, AC	
	 CNJ403.1-526-774-11	(E).....OUTLET, AC	
	 CNJ403.1-526-794-11	(AEP,G-AEP)...OUTLET, AC	
	CNJ1402*1-558-520-21	(UK)...CORD, 3P (WITH CONNECTOR)	
F1	 .1-532-203-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG, 2A	
F1	 .1-532-285-00	(E)....FUSE, TIME-LAG, 1.25A	
F2	 .1-532-203-00	(AEP,G-AEP)...FUSE, TIME-LAG, 2A	
F2	 .1-532-285-00	(E)....FUSE, TIME-LAG, 1.25A	
S2	 .1-570-307-11	(E)...SWITCH, VOLTAGE SELECTOR	
T1	 .1-448-823-11	(E).....TRANSFORMER, POWER	
T1	 .1-448-824-11	(AEP,G-AEP,UK)...TRANSFORMER, POWER	

(2)

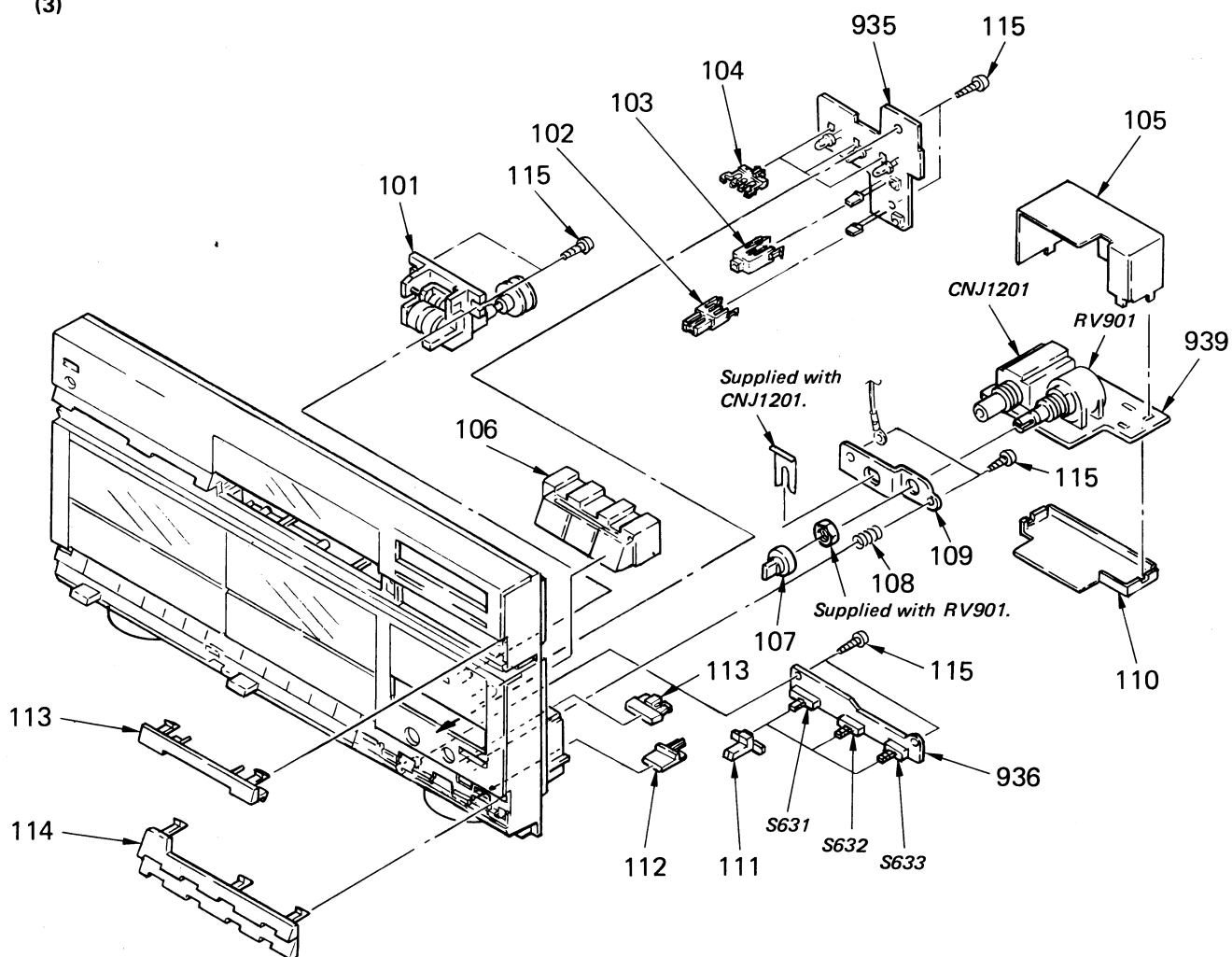


No.	Part No.	Description	Remarks
51	4-907-611-71	KNOB, POWER	
52	4-875-466-00	JOINT (F2), KNOB	
53	3-559-001-00	COVER, POWER SWITCH	
54	4-917-253-01	KNOB (B), SLIDE	
55	*4-914-927-01	BRACKET (A), PCB	
56	*4-909-633-01	ILLUMINATOR	
57	*4-917-275-01	HOUSE, LAMP	
58	4-917-219-11	BUTTON (5), SQUARE	
59	4-919-336-01	SPRING, COMPRESSION	
60	*4-917-270-01	BRACKET, PC BOARD	
61	3-831-441-XX	CUSHION, ADJUSTMENT	
62	4-917-238-01	BUTTON, SQUARE	
63	*4-917-244-01	HOLDER, LED	
64	4-917-210-01	BUTTON (2), SQUARE	
65	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
66	7-685-871-01	SCREW +BVTT 3X6 (S)	

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

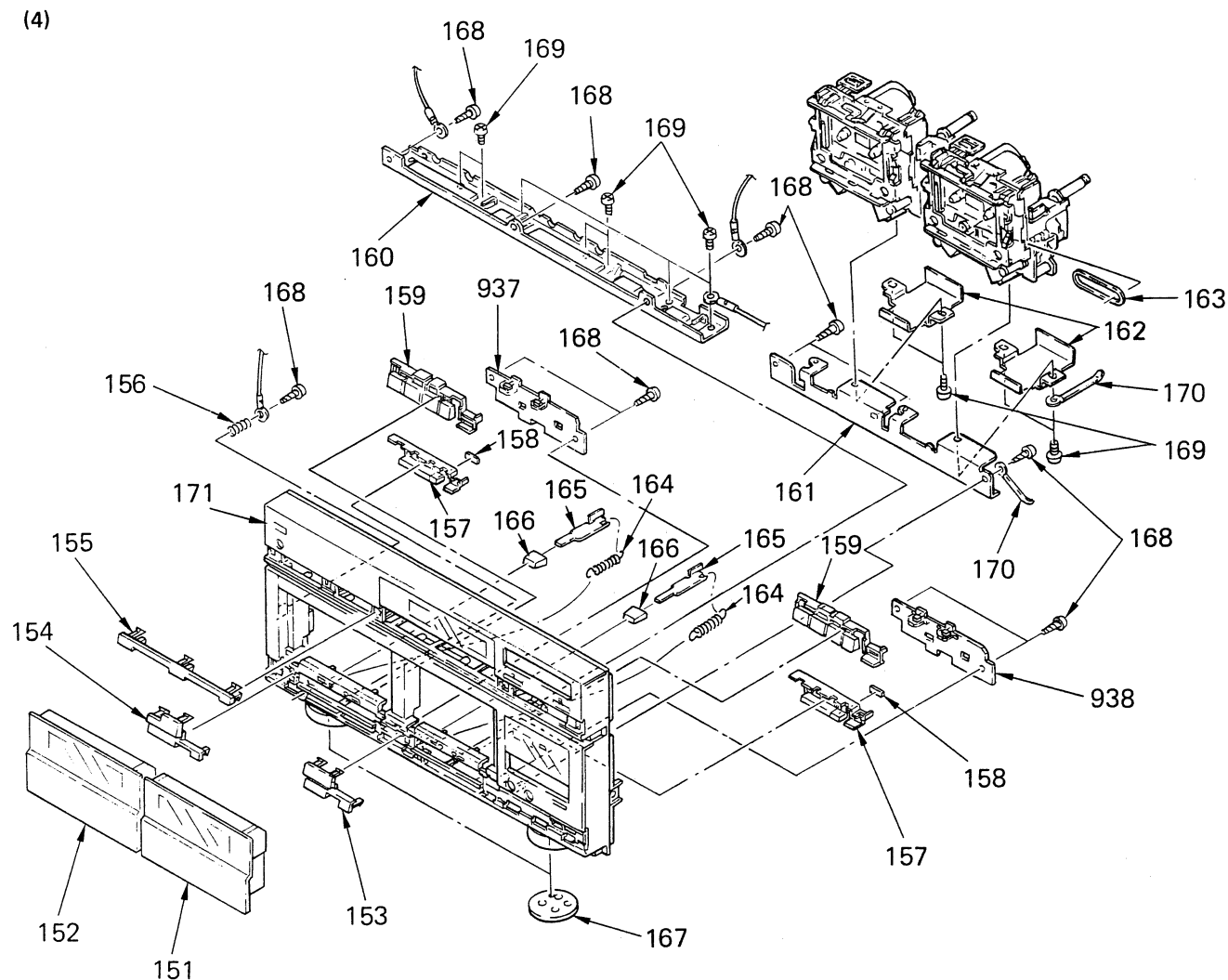
No.	Part No.	Description	Remarks
903	*A-4375-295-A	MOUNTED PCB, CONTROL	
940	*1-620-717-11	PC BOARD, FUNCTION SWITCH	
941	*1-621-021-11	PC BOARD, LAMP	
942	*1-621-904-11	PC BOARD, TONE	
943	*1-621-905-11	PC BOARD, HEADPHONE	
CNJ1301	1-507-983-11	JACK (LARGE TYPE)(HEADPHONES)	
RV901	1-230-391-11	RES, VAR, CARBON 100K/100K (MIXING VOLUME)	
RV1101	1-237-441-11	RES, VAR, SLIDE 100K/100K (TREBLE)	
RV1102	1-237-441-11	RES, VAR, SLIDE 100K/100K (BASS)	
S1	 .1-554-685-41	SWITCH, PUSH (AC POWER)(1 KEY)	

(3)

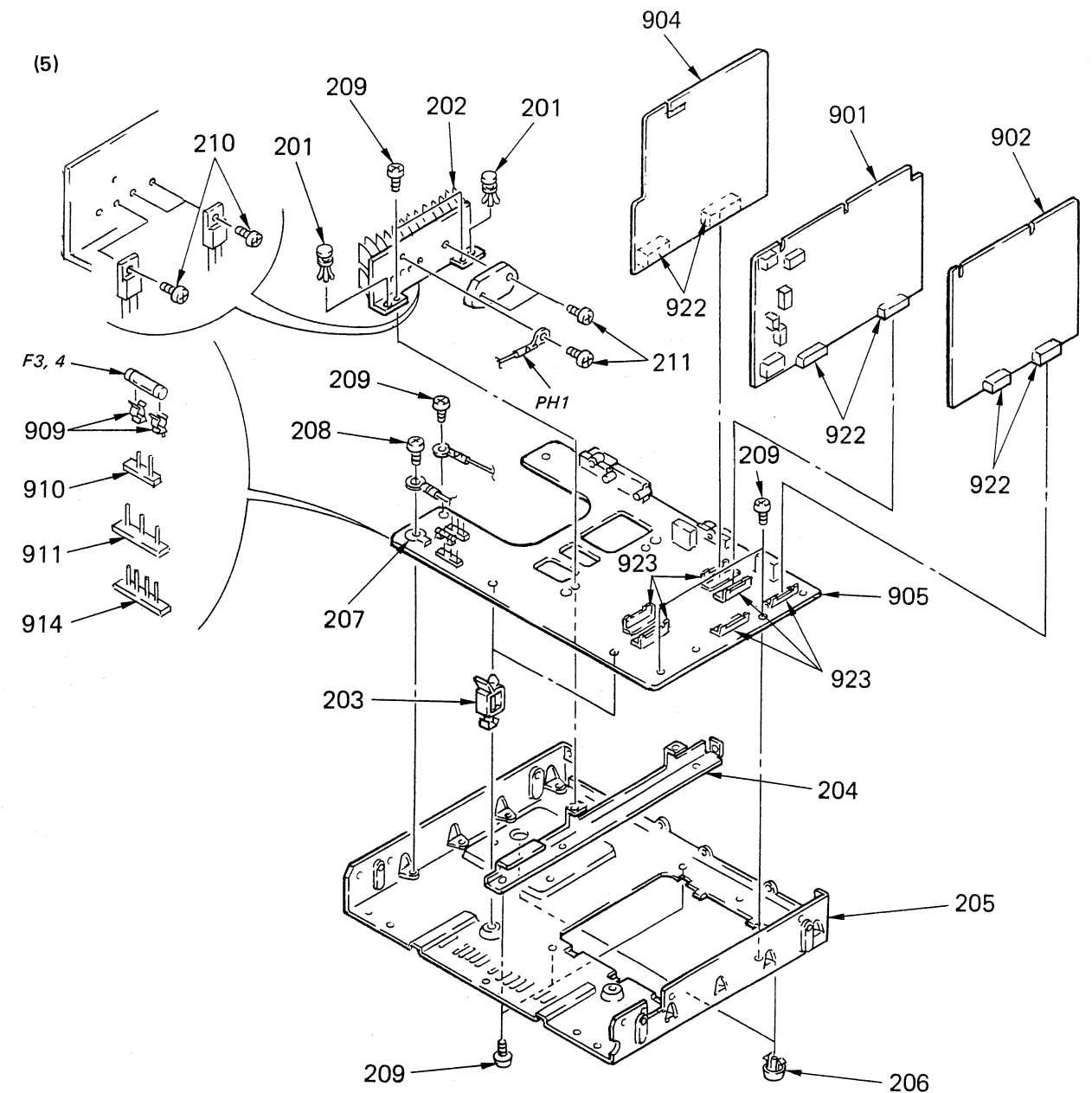


No.	Part No.	Description	Remarks
101	1-548-596-11	COUNTER, TAPE (MIDDLE TYPE)	
102	*4-917-274-01	HOLDER (AMS), LED	
103	*4-917-244-01	HOLDER, LED	
104	*4-905-210-01	HOLDER, LED	
105	*4-917-272-01	CASE (UPPER), SHIELD	
106	4-917-257-01	BUTTON, DUBBING	
107	3-304-929-11	KNOB, HEADPHONE	
108	4-919-336-01	SPRING, COMPRESSION	
109	*4-917-243-01	BRACKET, MIC	
110	*4-917-271-01	CASE (LOWER), SHIELD	
111	4-917-240-01	KNOB (A), SLIDE	

No.	Part No.	Description	Remarks
112	4-917-242-01	BUTTON, AMS	
113	4-917-252-01	PLATE (A), ORNAMENTAL	
114	4-917-261-11	PLATE (E), ORNAMENTAL	
115	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
116	4-917-238-01	BUTTON, SQUARE	
935	*1-620-590-11	PC BOARD, DUBBING SW (7)	
936	*1-620-595-11	PC BOARD, TIMER SW (C)	
939	*1-620-716-11	PC BOARD, MIC	
CNJ1201	1-507-658-00	JACK (MIC)	
S631	1-570-837-11	SWITCH, SLIDE (TIMER)	
S632	1-570-837-11	SWITCH, SLIDE (DIR MODE)	
S634	1-570-837-11	SWITCH, SLIDE (DOLBY NR)	



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	4-917-262-11	LID (B), CASSETTE		162	*4-919-325-01	PLATE, SHIELD, HEAD	
152	4-917-262-01	LID (A), CASSETTE		163	3-532-213-00	BELT, COUNTER	
153	4-917-249-01	PLATE (D), ORNAMENTAL		164	3-567-110-00	SPRING, TENSION	
154	4-917-250-01	PLATE (C), ORNAMENTAL		165	*4-917-241-01	SLIDER, EJECT	
155	4-917-251-01	PLATE (B), ORNAMENTAL		166	3-323-410-41	BUTTON, EJECT	
156	4-919-336-01	SPRING, COMPRESSION		167	4-917-236-01	FELT, FOOT	
157	4-917-263-01	BUTTON (B), CONTROL		168	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
158	*3-332-411-01	WINDOW, PAUSE		169	7-685-871-01	SCREW +BVTT 3X6 (S)	
159	4-917-258-01	BUTTON (A), CONTROL		170	*3-703-150-11	CLAMP	
160	*4-917-259-01	BRACKET (UPPER), MD		171	A-4322-897-A	PANEL ASSY, FRONT	
161	*4-917-246-01	BRACKET (LOWER), MD		937	*1-620-597-11	PC BOARD, CONTROL SW (A)	
				938	*1-620-598-11	PC BOARD, CONTROL SW (B)	

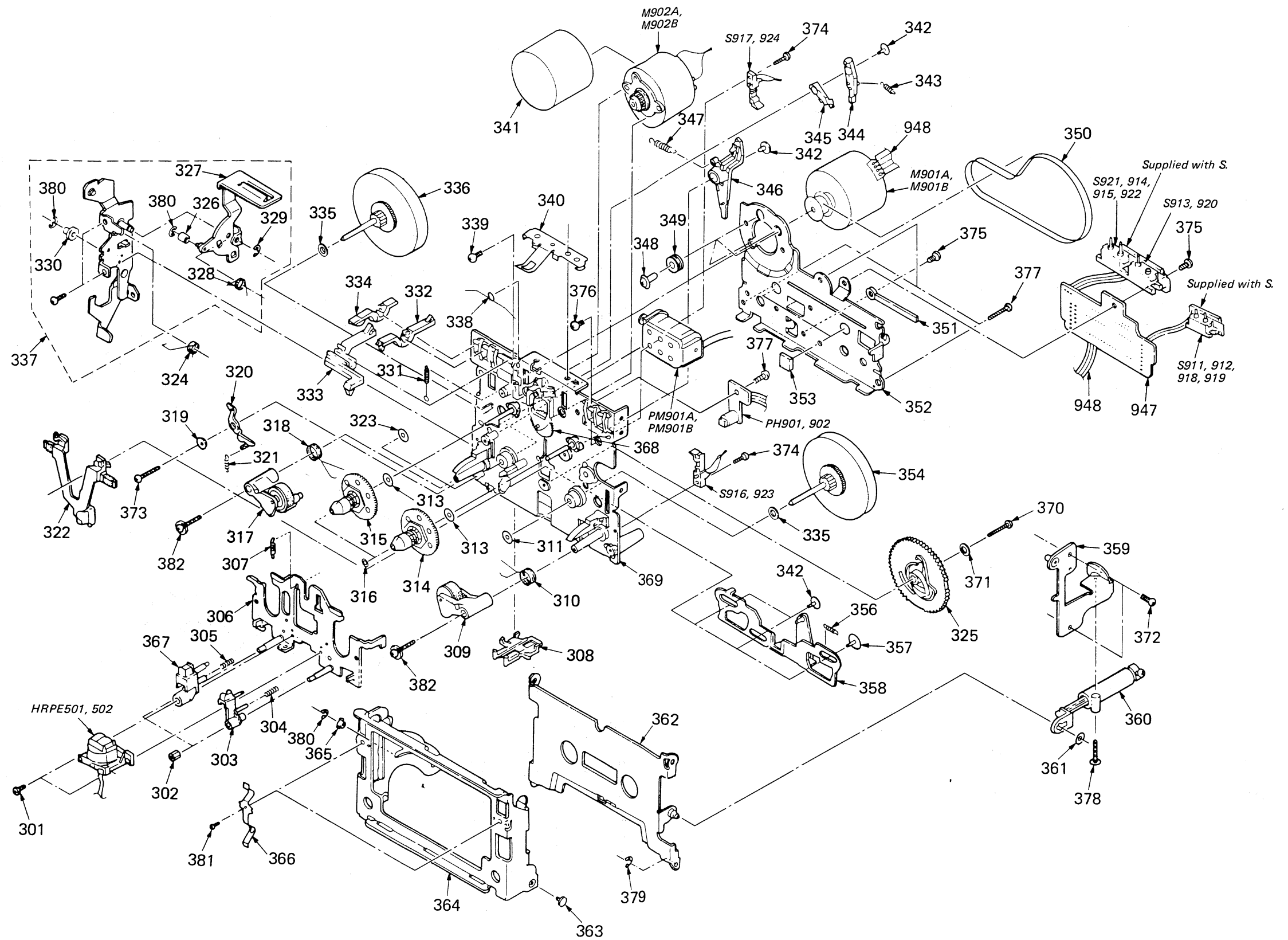


No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	4-917-239-01	RIVET, NYLON		904	*A-4382-289-A	(AEP,UK,E)...MOUNTED PCB, PRE AMPLIFIER	
202	*4-919-306-01	(E).....HEAT SINK			*A-4382-290-A	(G-AEP).....MOUNTED PCB, PRE AMPLIFIER	
	*4-919-326-01	(AEP,G-AEP,UK)...HEAT SINK		905	*A-4388-617-A	(AEP)....MOUNTED PCB, MAIN	
203	*3-659-681-00	HOLDER, PC BOARD			*A-4388-618-A	(G-AEP)...MOUNTED PCB, MAIN	
204	*4-919-321-01	FRAME			*A-4388-619-A	(E).....MOUNTED PCB, MAIN	
205	*4-917-266-01	CHASSIS			*A-4388-636-A	(UK).....MOUNTED PCB, MAIN	
206	X-3701-069-0	FOOT ASSY, M.F		909	1-533-183-11	HOLDER, FUSE	
207	4-870-539-00	PLATE, GROUND		910	*1-535-115-00	(G-AEP,E)...TERMINAL, 2P	
208	3-703-685-21	SCREW (+BY 3X8)		911	*1-535-116-00	TERMINAL, 3P	
209	7-685-871-01	SCREW +BVTT 3X6 (S)		914	*1-535-141-00	BASE POST 22MM (10MM PITCH) 4P	
210	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		922	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P	
211	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3		923	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P	
901	*A-2010-236-A	MOUNTED PCB, AUDIO					
902	*A-2019-200-A	MOUNTED PCB, SYSTEM CONTROL					

F3  $\Delta$  1-532-203-00 FUSE, TIME-LAG, 2A  
 F4  $\Delta$  1-532-203-00 FUSE, TIME-LAG, 2A  
 PH1 1-800-427-00 (E)...POSISTOR

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

(6)



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301	3-391-109-01	SCREW, WASHER		352	*3-391-130-01	BRACKET (B), F/W	
302	3-391-110-01	NUT, ADJUSTMENT		353	3-391-169-01	SPACER, SQUER	
303	3-391-111-01	GUIDE, TAPE		354	X-3391-113-1	ASSY F/W	
304	3-391-112-01	SPRING (RIGHT)		356	3-391-127-01	SPRING	
305	3-391-113-01	SPRING (LEFT)		357	3-391-143-01	CAP	
306	X-3391-103-1	HEAD ASSY, PLATE		358	X-3391-112-1	PLATE ASSY, SLIDE	
307	3-391-114-01	SPRING		359	*3-391-144-01	BRACKET (R), DAMPER	
308	3-391-137-01	HOLDER, REED		360	*X-3391-115-1	DAMPER ASSY	
309	X-3391-104-1	PINCH ROLLER ASSY		361	*3-391-148-01	WASHER LOCK	
310	3-391-115-01	SPRING (RIGHT)		362	3-391-149-01	PLATE, ORNAMENTAL	
311	3-391-119-01	SEAL, WASHER OIL		363	3-391-152-01	STUD, DOOR	
313	3-327-708-31	WASHER		364	3-391-171-01	HOLDER, CASSETTE	
314	X-3391-106-1	REEL ASSY		365	3-391-153-01	ROLLER	
315	X-3391-107-1	REEL ASSY, T.U		366	3-391-151-01	SPRING	
316	3-701-436-11	WASHER, 1.6		367	3-391-167-01	HOLDER, CENSER	
317	X-3391-105-1	PINCH ROLLER ASSY		368	X-3391-111-1	IDLER ASSY	
318	3-391-116-01	SPRING (LEFT)		369	X-3391-110-1	CHASSIS ASSY	
319	3-391-120-01	CALLOR		370	7-685-107-19	SCREW +P 2X12 TYPE2 SLIT	
320	3-391-121-01	ARM, EJECT SAFETY		371	7-688-001-11	W 2, MIDDLE	
321	3-391-122-01	SPRING (A)		372	7-685-790-04	SCREW +PTT 2.6X4 (S)	
322	X-3391-108-1	BRAKE ASSY		373	7-685-106-19	SCREW +P 2X10 TYPE2 SLIT	
323	3-391-117-01	SEAL, WASHER OIL		374	7-685-104-19	SCREW +P 2X6 TYPE2 SLIT	
324	3-391-154-01	SPRING (A)		375	7-685-750-04	SCREW +PTT 3X5 (S)	
325	3-391-170-01	GEAR (D), CAM		376	7-685-131-19	SCREW +P 2.6X4 TYPE2 NON-SLIT	
326	3-391-164-01	ROLLER		377	7-685-105-19	SCREW +P 2X8 TYPE2 SLIT	
327	3-391-163-01	LEVER (B), EJECT		378	7-621-955-75	SCREW, TOTSU PWH 2X12	
328	3-391-146-01	SPRING (B)		379	7-624-102-04	STOP RING 1.5, TYPE -E	
329	7-624-105-04	STOP RING 2.3, TYPE -E		380	7-624-104-04	STOP RING 2.0, TYPE -E	
330	3-391-165-01	ROLLER		381	7-685-780-04	SCREW +PTT 2X3 (S)	
331	3-391-139-01	SPRING		382	3-391-168-01	SCREW (2X13), WAVE	
332	3-391-157-01	LEVER, REC INSPECTION		947	*X-3391-136-1	WIRING ASSY, CONNECTOR	
333	3-391-159-01	LEVER, METAL INSPECTION		948	*3-391-166-01	WIRE, JUMPER, 4 ARBOR	
334	3-391-131-01	LEVER, PACK INSPECTION		HRPE501	X-3391-135-1	HEAD ASSY, ROTARY	
335	3-701-438-11	WASHER, 2.5		HRPE502	X-3391-135-1	HEAD ASSY, ROTARY	
336	X-3391-125-1	ASSY F/W		M901A	X-3391-117-1	MOTOR ASSY, CAPSTAN	
337	*X-3391-138-1	ARM ASSY, EJECT	326-330,380	M901B	X-3391-117-1	MOTOR ASSY, CAPSTAN	
338	3-391-124-01	SPRING		M902A	X-3391-118-1	MOTOR ASSY, REEL	
339	3-391-118-01	SCREW, WASHER		M902B	X-3391-118-1	MOTOR ASSY, REEL	
340	3-391-125-01	SPRING		PM901A	1-454-428-11	SOLENOID, PLUNGER	
341	3-391-132-01	PLATE, SHIELD		PM901B	1-454-428-11	SOLENOID, PLUNGER	
342	3-391-126-01	CAP					
343	3-391-140-01	SPRING (A)					
344	3-391-142-01	ARM (B)					
345	3-391-141-01	ARM (A)					
346	X-3391-146-1	ARM ASSY, PLAY					
347	3-391-133-01	SPRING					
348	3-391-147-01	SCREW, MOTOR FITTING					
349	3-391-138-01	MOTOR, CUSHION					
350	3-391-134-01	BELT, MAIN					
351	*3-701-822-00	HOLDER, WIRE					



# SECTION 6

## ELECTRICAL PARTS LIST

## NOTE:

Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

## CAPACITORS:

MF:  $\mu$ F, PF:  $\mu$ F.

## RESISTORS

All resistors are in ohms.  
F : nonflammable

## COILS

MMH : mH, UH :  $\mu$ H

## SEMICONDUCTORS

In each case, U :  $\mu$ , for example:

UA...:  $\mu$ A..., UPA...:  $\mu$ PA..., UPC...:  $\mu$ PC,

UPD...:  $\mu$ PD...

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-2010-236-A	MOUNTED PCB, AUDIO
902	*A-2019-200-A	MOUNTED PCB, SYSTEM CONTROL
903	*A-4375-295-A	MOUNTED PCB, CONTROL
904	*A-4382-289-A	(AEP,UK,E)...MOUNTED PCB, PRE AMPLIFIER
	*A-4382-290-A	(G-AEP)....MOUNTED PCB, PRE AMPLIFIER
905	*A-4388-617-A	(AEP)....MOUNTED PCB, MAIN
	*A-4388-618-A	(G-AEP)...MOUNTED PCB, MAIN
	*A-4388-619-A	(E).....MOUNTED PCB, MAIN
	*A-4388-636-A	(UK).....MOUNTED PCB, MAIN
906	1-535-530-11	PLUG, JUMPER
907	$\Delta$ 1-534-817-XX	(AEP,G-AEP)...CORD, POWER, EULO PLUG
	$\Delta$ 1-551-884-00	(UK).....CORD, POWER
	$\Delta$ 1-558-943-11	(E).....CORD, POWER
909	1-533-183-11	HOLDER, FUSE
910	*1-535-115-00	(G-AEP,E)...TERMINAL, 2P
911	*1-535-116-00	TERMINAL, 3P
912	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P
913	*1-535-140-00	BASE POST 22MM (10MM PITCH) 3P
914	*1-535-141-00	BASE POST 22MM (10MM PITCH) 4P
915	*1-535-476-11	(AEP,G-AEP)...TERMINAL
916	*1-560-060-00	PIN, CONNECTOR 2P
917	*1-562-249-00	SOCKET, CONNECTOR 4P
918	*1-562-250-00	SOCKET, CONNECTOR 5P
919	*1-562-251-00	SOCKET, CONNECTOR 6P
920	*1-562-327-00	SOCKET, CONNECTOR 3P
921	*1-562-328-00	SOCKET, CONNECTOR 7P
922	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P
923	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P
924	*1-564-505-11	PLUG, CONNECTOR 2P
925	*1-564-506-11	PLUG, CONNECTOR 3P
926	*1-564-507-11	PLUG, CONNECTOR 4P
927	*1-564-507-31	PLUG, CONNECTOR 4P
928	*1-564-507-41	PLUG, CONNECTOR 4P
929	*1-564-508-11	PLUG, CONNECTOR 5P
930	*1-564-509-11	PLUG, CONNECTOR 6P
931	*1-564-510-11	PLUG, CONNECTOR 7P
932	*1-564-510-31	PLUG, CONNECTOR 7P
933	*1-564-510-41	PLUG, CONNECTOR 7P
934	*1-564-511-21	PLUG, CONNECTOR 8P
935	*1-620-590-11	PC BOARD, DUBBING SW (7)
936	*1-620-595-11	PC BOARD, TIMER SW (C)
937	*1-620-597-11	PC BOARD, CONTROL SW (A)
938	*1-620-598-11	PC BOARD, CONTROL SW (B)
939	*1-620-716-11	PC BOARD, MIC

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
940	*1-620-717-11	PC BOARD, FUNCTION SWITCH
941	*1-621-021-11	PC BOARD, LAMP
942	*1-621-904-11	PC BOARD, TONE
943	*1-621-905-11	PC BOARD, HEADPHONE
944	*1-621-906-11	PC BOARD, FUSE
CN1402	1-563-561-11	(UK)...SOCKET, CONNECTOR 3P
946	$\Delta$ 1-526-565-00	(E3)...ADAPTOR, AC
947	*X-3391-136-1	WIRING ASSY, CONNECTOR
948	*3-391-166-01	WIRE, JUMPER, 4 ARBOR
C1	$\Delta$ 1-161-744-00	CERAMIC 0.01MF 400V
C101	1-161-317-00	CERAMIC 330PF 10% 50V
C102	1-130-487-00	MYLAR 0.022MF 5% 50V
C103	1-124-185-00	ELECT 4.7MF 20% 50V
C104	1-130-488-00	MYLAR 0.027MF 5% 50V
C105	1-130-488-00	MYLAR 0.027MF 5% 50V
C106	1-106-351-00	MYLAR 0.0022MF 5% 50V
C107	1-161-317-00	CERAMIC 330PF 10% 50V
C108	1-130-487-00	MYLAR 0.022MF 5% 50V
C109	1-124-185-00	ELECT 4.7MF 20% 50V
C110	1-130-488-00	MYLAR 0.027MF 5% 50V
C112	1-162-286-31	CERAMIC 220PF 10% 50V
C113	1-124-927-11	ELECT 4.7MF 20% 50V
C114	1-124-927-11	ELECT 4.7MF 20% 50V
C115	1-124-443-00	ELECT 100MF 20% 10V
C116	1-130-489-00	MYLAR 0.033MF 5% 50V
C117	1-123-875-91	ELECT 10MF 20% 50V
C118	1-130-482-00	MYLAR 0.0082MF 5% 50V
C119	1-130-467-00	MYLAR 470PF 5% 50V
C120	1-130-470-00	MYLAR 820PF 5% 50V
C121	1-130-482-00	MYLAR 0.0082MF 5% 50V
C123	1-124-927-11	ELECT 4.7MF 20% 50V
C131	1-124-443-00	ELECT 100MF 20% 10V
C132	1-123-875-91	ELECT 10MF 20% 50V
C136	1-106-351-00	MYLAR 0.0022MF 5% 50V
C137	1-106-172-00	MYLAR 0.001MF 5% 50V
C138	1-106-347-00	MYLAR 0.0015MF 5% 50V
C139	1-130-477-00	MYLAR 0.0033MF 5% 50V
C140	1-130-480-00	MYLAR 0.0056MF 5% 50V
C141	1-130-489-00	MYLAR 0.033MF 5% 50V
C142	1-130-482-00	MYLAR 0.0082MF 5% 50V
C143	1-130-467-00	MYLAR 470PF 5% 50V
C144	1-130-470-00	MYLAR 820PF 5% 50V
C145	1-130-482-00	MYLAR 0.0082MF 5% 50V
C148	1-106-172-00	MYLAR 0.001MF 5% 50V
C149	1-123-875-91	ELECT 10MF 20% 50V

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C150	1-124-185-00	ELECT	4.7MF	20%	50V
C151	1-106-359-00	MYLAR	0.0047MF	5%	50V
C152	1-136-173-00	FILM	0.47MF	5%	50V
C153	1-136-167-00	FILM	0.15MF	5%	50V
C154	1-108-583-00	MYLAR	0.015MF	5%	50V
C155	1-124-927-11	ELECT	4.7MF	20%	50V
C156	1-124-927-11	ELECT	4.7MF	20%	50V
C157	1-123-875-91	ELECT	10MF	20%	50V
C158	1-124-443-00	ELECT	100MF	20%	10V
C159	1-162-199-31	CERAMIC	10PF	5%	50V
C160	1-124-927-11	ELECT	4.7MF	20%	50V
C162	1-124-927-11	ELECT	4.7MF	20%	50V
C163	1-136-440-11	FILM	39PF	5%	630V
C164	1-136-273-91	FILM	75PF	5%	630V
C165	1-161-313-00	CERAMIC	150PF	10%	50V
C166	1-136-440-11	FILM	39PF	5%	630V
C167	1-136-273-91	FILM	75PF	5%	630V
C168	1-161-313-00	CERAMIC	150PF	10%	50V
C169	1-136-169-00	FILM	0.22MF	5%	50V
C170	1-136-163-00	FILM	0.068MF	5%	50V
C171	1-136-161-00	FILM	0.047MF	5%	50V
C172	1-106-192-00	MYLAR	0.0068MF	5%	50V
C173	1-130-483-00	MYLAR	0.01MF	5%	50V
C201	1-161-317-00	CERAMIC	330PF	10%	50V
C202	1-130-487-00	MYLAR	0.022MF	5%	50V
C203	1-124-185-00	ELECT	4.7MF	20%	50V
C204	1-130-488-00	MYLAR	0.027MF	5%	50V
C205	1-130-488-00	MYLAR	0.027MF	5%	50V
C206	1-106-351-00	MYLAR	0.0022MF	5%	50V
C207	1-161-317-00	CERAMIC	330PF	10%	50V
C208	1-130-487-00	MYLAR	0.022MF	5%	50V
C209	1-124-185-00	ELECT	4.7MF	20%	50V
C210	1-130-488-00	MYLAR	0.027MF	5%	50V
C212	1-162-286-31	CERAMIC	220PF	10%	50V
C213	1-124-927-11	ELECT	4.7MF	20%	50V
C214	1-124-927-11	ELECT	4.7MF	20%	50V
C215	1-124-443-00	ELECT	100MF	20%	10V
C216	1-130-489-00	MYLAR	0.033MF	5%	50V
C217	1-123-875-91	ELECT	10MF	20%	50V
C218	1-130-482-00	MYLAR	0.0082MF	5%	50V
C219	1-130-467-00	MYLAR	470PF	5%	50V
C220	1-130-470-00	MYLAR	820PF	5%	50V
C221	1-130-482-00	MYLAR	0.0082MF	5%	50V
C223	1-124-927-11	ELECT	4.7MF	20%	50V
C231	1-124-443-00	ELECT	100MF	20%	10V
C232	1-123-875-91	ELECT	10MF	20%	50V
C236	1-106-351-00	MYLAR	0.0022MF	5%	50V
C237	1-106-172-00	MYLAR	0.001MF	5%	50V
C238	1-106-347-00	MYLAR	0.0015MF	5%	50V
C239	1-130-477-00	MYLAR	0.0033MF	5%	50V
C240	1-130-480-00	MYLAR	0.0056MF	5%	50V
C241	1-130-489-00	MYLAR	0.033MF	5%	50V
C242	1-130-482-00	MYLAR	0.0082MF	5%	50V
C243	1-130-467-00	MYLAR	470PF	5%	50V
C244	1-130-470-00	MYLAR	820PF	5%	50V
C245	1-130-482-00	MYLAR	0.0082MF	5%	50V
C248	1-106-172-00	MYLAR	0.001MF	5%	50V

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C249	1-123-875-91	ELECT	10MF	20%	50V
C250	1-124-185-00	ELECT	4.7MF	20%	50V
C251	1-106-359-00	MYLAR	0.0047MF	5%	50V
C252	1-136-173-00	FILM	0.47MF	5%	50V
C253	1-136-167-00	FILM	0.15MF	5%	50V
C254	1-108-583-00	MYLAR	0.015MF	5%	50V
C255	1-124-927-11	ELECT	4.7MF	20%	50V
C256	1-124-927-11	ELECT	4.7MF	20%	50V
C257	1-123-875-91	ELECT	10MF	20%	50V
C258	1-124-443-00	ELECT	100MF	20%	10V
C259	1-162-199-31	CERAMIC	10PF	5%	50V
C260	1-124-927-11	ELECT	4.7MF	20%	50V
C262	1-124-927-11	ELECT	4.7MF	20%	50V
C263	1-136-440-11	FILM	39PF	5%	630V
C264	1-136-273-91	FILM	75PF	5%	630V
C265	1-161-313-00	CERAMIC	150PF	10%	50V
C266	1-136-440-11	FILM	39PF	5%	630V
C267	1-136-273-91	FILM	75PF	5%	630V
C268	1-161-313-00	CERAMIC	150PF	10%	50V
C269	1-136-169-00	FILM	0.22MF	5%	50V
C270	1-136-163-00	FILM	0.068MF	5%	50V
C271	1-136-161-00	FILM	0.047MF	5%	50V
C272	1-106-192-00	MYLAR	0.0068MF	5%	50V
C273	1-130-483-00	MYLAR	0.01MF	5%	50V
C501	1-124-444-00	ELECT	220MF	20%	10V
C502	1-124-444-00	ELECT	220MF	20%	10V
C503	1-124-446-11	ELECT	47MF	20%	10V
C504	1-124-446-11	ELECT	47MF	20%	10V
C505	1-124-446-11	ELECT	47MF	20%	10V
C506	1-124-446-11	ELECT	47MF	20%	10V
C507	1-124-444-00	ELECT	220MF	20%	10V
C508	1-124-444-00	ELECT	220MF	20%	10V
C509	1-124-927-11	ELECT	4.7MF	20%	50V
C510	1-124-443-00	ELECT	100MF	20%	10V
C511	1-124-443-00	ELECT	100MF	20%	10V
C512	1-124-446-11	ELECT	47MF	20%	10V
C513	1-124-446-11	ELECT	47MF	20%	10V
C514	1-124-446-11	ELECT	47MF	20%	10V
C515	1-124-444-00	ELECT	220MF	20%	10V
C516	1-124-446-11	ELECT	47MF	20%	10V
C517	1-124-791-11	ELECT	1MF	20%	50V
C518	1-129-714-00	FILM	0.01MF	10%	630V
C519	1-124-927-11	ELECT	4.7MF	20%	50V
C520	1-124-927-11	ELECT	4.7MF	20%	50V
C521	1-124-927-11	ELECT	4.7MF	20%	50V
C522	1-136-434-11	FILM	120PF	5%	630V
C523	1-136-434-11	FILM	120PF	5%	630V
C524	1-124-927-11	ELECT	4.7MF	20%	50V
C525	1-124-927-11	ELECT	4.7MF	20%	50V
C526	1-136-434-11	FILM	120PF	5%	630V
C527	1-136-434-11	FILM	120PF	5%	630V
C528	1-124-927-11	ELECT	4.7MF	20%	50V
C529	1-130-483-00	MYLAR	0.01MF	5%	50V
C530	1-124-927-11	ELECT	4.7MF	20%	50V
C531	1-124-925-11	ELECT	2.2MF	20%	50V
C532	1-124-446-11	ELECT	47MF	20%	10V
C533	1-124-446-11	ELECT	47MF	20%	10V

## ELECTRICAL PARTS


Ref.No.	Part No.	Description			
C534	1-106-359-00	MYLAR	0.0047MF	5%	50V
C535	1-124-925-11	ELECT	2.2MF	20%	50V
C536	1-124-791-11	ELECT	1MF	20%	50V
C537	1-106-359-00	MYLAR	0.0047MF	5%	50V
C538	1-129-714-00	FILM	0.01MF	10%	630V
C539	1-162-290-31	CERAMIC	470PF	10%	50V
C540	1-161-323-00	CERAMIC	0.001MF	10%	50V
C701	1-124-446-11	ELECT	47MF	20%	10V
C702	1-124-446-11	ELECT	47MF	20%	10V
C703	1-161-330-00	CERAMIC	0.01MF	30%	25V
C704	1-161-330-00	CERAMIC	0.01MF	30%	25V
C705	1-161-330-00	CERAMIC	0.01MF	30%	25V
C721	1-124-446-11	ELECT	47MF	20%	10V
C722	1-124-446-11	ELECT	47MF	20%	10V
C761	1-161-313-00	CERAMIC	150PF	10%	50V
C762	1-161-313-00	CERAMIC	150PF	10%	50V
C763	1-161-323-00	CERAMIC	0.001MF	10%	50V
C811	1-124-905-11	ELECT	3.3MF	20%	50V
C823	1-124-927-11	ELECT	4.7MF	20%	50V
C824	1-124-468-11	ELECT	100MF	20%	6.3V
C826	1-161-330-00	CERAMIC	0.01MF	30%	25V
C827	1-124-927-11	ELECT	4.7MF	20%	50V
C828	1-161-330-00	CERAMIC	0.01MF	30%	25V
C829	1-161-494-00	CERAMIC	0.022MF	30%	25V
C901	1-124-257-00	ELECT	2.2MF	20%	50V
C902	1-124-465-00	ELECT	0.47MF	20%	50V
C906	1-161-494-00	CERAMIC	0.022MF		25V
C907	1-161-494-00	CERAMIC	0.022MF		25V
C908	1-161-494-00	CERAMIC	0.022MF		25V
C909	1-161-494-00	CERAMIC	0.022MF		25V
C910	1-161-494-00	CERAMIC	0.022MF		25V
C911	1-161-494-00	CERAMIC	0.022MF		25V
C914	1-123-875-91	ELECT	10MF	20%	50V
C922	1-162-211-31	CERAMIC	33PF	5%	50V
C923	1-124-925-11	ELECT	2.2MF	20%	50V
C924	1-124-925-11	ELECT	2.2MF	20%	50V
C925	1-124-925-11	ELECT	2.2MF	20%	50V
C927	1-123-306-00	ELECT	47MF	20%	10V
C928	1-123-306-00	ELECT	47MF	20%	10V
C929	1-123-306-00	ELECT	47MF	20%	10V
C930	1-123-306-00	ELECT	47MF	20%	10V
C931	1-162-217-31	CERAMIC	56PF	5%	50V
C936	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C937	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C938	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C939	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C940	1-124-257-00	ELECT	2.2MF	20%	50V
C951	1-124-257-00	ELECT	2.2MF	20%	50V
C952	1-124-465-00	ELECT	0.47MF	20%	50V
C964	1-123-875-91	ELECT	10MF	20%	50V
C972	1-162-211-31	CERAMIC	33PF	5%	50V
C973	1-124-925-11	ELECT	2.2MF	20%	50V
C974	1-124-925-11	ELECT	2.2MF	20%	50V
C975	1-124-925-11	ELECT	2.2MF	20%	50V
C977	1-123-306-00	ELECT	47MF	20%	10V
C978	1-123-306-00	ELECT	47MF	20%	10V
C979	1-123-306-00	ELECT	47MF	20%	10V
C980	1-123-306-00	ELECT	47MF	20%	10V
C981	1-162-217-31	CERAMIC	56PF	5%	50V

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C986	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C987	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C988	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C989	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C990	1-124-257-00	ELECT	2.2MF	20%	50V
C1001	1-124-257-00	ELECT	2.2MF	20%	50V
C1002	1-162-282-31	CERAMIC	100PF	10%	50V
C1003	1-162-219-31	CERAMIC	68PF	5%	50V
C1004	1-123-306-00	ELECT	47MF	20%	10V
C1005	1-130-480-00	MYLAR	0.0056MF	5%	50V
C1006	1-130-473-00	MYLAR	0.0015MF	5%	50V
C1007	1-124-464-11	ELECT	0.22MF	20%	50V
C1008	1-123-306-00	ELECT	47MF	20%	10V
C1051	1-124-257-00	ELECT	2.2MF	20%	50V
C1052	1-162-282-31	CERAMIC	100PF	10%	50V
C1053	1-162-219-31	CERAMIC	68PF	5%	50V
C1054	1-123-306-00	ELECT	47MF	20%	10V
C1055	1-130-480-00	MYLAR	0.0056MF	5%	50V
C1056	1-130-473-00	MYLAR	0.0015MF	5%	50V
C1057	1-124-464-11	ELECT	0.22MF	20%	50V
C1058	1-123-306-00	ELECT	47MF	20%	10V
C1101	1-123-875-91	ELECT	10MF	20%	50V
C1102	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C1103	1-136-154-00	FILM	0.012MF	5%	50V
C1104	1-136-154-00	FILM	0.012MF	5%	50V
C1105	1-162-219-31	CERAMIC	68PF	5%	50V
C1106	1-124-791-11	ELECT	1MF	20%	50V
C1107	1-162-219-31	CERAMIC	68PF	5%	50V
C1108	1-162-219-31	CERAMIC	68PF	5%	50V
C1109	1-123-875-91	ELECT	10MF	20%	50V
C1110	1-123-611-00	ELECT	1MF	20%	50V
C1111	1-136-153-00	FILM	0.01MF	5%	50V
C1112	1-110-201-00	MYLAR	0.0033MF	5%	50V
C1113	1-101-888-00	CERAMIC	68PF	5%	50V
C1114	1-124-465-00	ELECT	0.47MF	20%	50V
C1115	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C1120	1-124-443-00	ELECT	100MF	20%	10V
C1151	1-123-875-91	ELECT	10MF	20%	50V
C1152	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C1153	1-136-154-00	FILM	0.012MF	5%	50V
C1154	1-136-154-00	FILM	0.012MF	5%	50V
C1155	1-162-219-31	CERAMIC	68PF	5%	50V
C1156	1-124-791-11	ELECT	1MF	20%	50V
C1157	1-162-219-31	CERAMIC	68PF	5%	50V
C1158	1-162-219-31	CERAMIC	68PF	5%	50V
C1159	1-123-875-91	ELECT	10MF	20%	50V
C1160	1-123-611-00	ELECT	1MF	20%	50V
C1161	1-136-153-00	FILM	0.01MF	5%	50V
C1162	1-110-201-00	MYLAR	0.0033MF	5%	50V
C1163	1-101-888-00	CERAMIC	68PF	5%	50V
C1164	1-124-465-00	ELECT	0.47MF	20%	50V
C1165	1-162-286-11	(G-AEP)...CERAMIC	220PF	10%	50V
C1201	1-123-611-00	ELECT	1MF	20%	50V
C1202	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1203	1-124-464-11	ELECT	0.22MF	20%	50V
C1204	1-123-330-00	ELECT	22MF	20%	16V
C1205	1-161-327-00	CERAMIC	0.0033MF	30%	16V
C1206	1-123-306-00	ELECT	47MF	20%	10V

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C1207	1-136-159-00	FILM	0.033MF	5%	50V
C1301	1-162-282-31	CERAMIC	100PF	10%	50V
C1302	1-124-925-11	ELECT	2.2MF	20%	50V
C1303	1-162-195-31	CERAMIC	4.7PF	10%	50V
C1304	1-102-110-00	CERAMIC	220PF	10%	50V
C1305	1-123-332-00	ELECT	47MF	20%	16V
C1306	1-123-359-00	ELECT	47MF	20%	50V
C1307	1-124-122-11	ELECT	100MF	20%	50V
C1308	1-136-165-00	FILM	0.1MF	5%	50V
C1309	1-123-357-00	ELECT	22MF	20%	50V
C1310	1-136-163-00	FILM	0.068MF	5%	50V
C1311	1-124-444-00	ELECT	220MF	20%	6.3V
C1312	1-124-444-00	ELECT	220MF	20%	6.3V
C1313	1-123-356-00	ELECT	10MF	20%	50V
C1314	1-124-468-11	ELECT	100MF	20%	6.3V
C1315	1-136-159-00	(HEADPHONE BOARD)			
		...FILM	0.033MF	5%	50V
C1315	1-136-163-00	(MAIN BOARD)...FILM	0.068MF	5%	50V
C1316	1-123-875-91	(CONTROL BOARD)...ELECT	10MF	20%	50V
C1316	1-161-494-00	(G-AEP:MAIN BOARD)			
		....CERAMIC	2200PF		25V
C1317	1-161-494-01	(G-AEP)...CERAMIC	2200PF		50V
C1318	1-161-494-01	(G-AEP)...CERAMIC	2200PF		50V
C1319	1-161-494-01	(G-AEP)...CERAMIC	2200PF		50V
C1320	1-162-284-11	(G-AEP)...CERAMIC	150PF	10%	50V
C1321	1-162-284-11	(G-AEP)...CERAMIC	150PF	10%	50V
C1351	1-162-282-31	CERAMIC	100PF	10%	50V
C1352	1-124-925-11	ELECT	2.2MF	20%	50V
C1353	1-162-195-31	CERAMIC	4.7PF	10%	50V
C1354	1-102-110-00	CERAMIC	220PF		50V
C1355	1-123-332-00	ELECT	47MF	20%	16V
C1356	1-123-359-00	ELECT	47MF	20%	50V
C1357	1-124-122-11	ELECT	100MF	20%	50V
C1358	1-136-165-00	FILM	0.1MF	5%	50V
C1360	1-136-163-00	FILM	0.068MF	5%	50V
C1365	1-136-163-00	FILM	0.068MF	5%	50V
C1401A	1-102-355-00	CERAMIC	0.01MF		250V
C1402A	1-162-603-11	CERAMIC	0.01MF		250V
C1403A	1-102-355-00	CERAMIC	0.01MF		250V
C1404	1-124-362-00	(AEP,G-AEP,UK)... ELECT	4700MF	20%	42V
C1404	1-126-171-11	(E)...ELECT	4700MF	20%	56V
C1405	1-124-362-00	(AEP,G-AEP,UK)... ELECT	4700MF	20%	42V
C1405	1-126-171-11	(E)...ELECT	4700MF	20%	56V
C1406	1-124-938-11	ELECT	2200MF	20%	25V
C1407	1-124-938-11	ELECT	2200MF	20%	25V
C1408	1-124-938-11	ELECT	2200MF	20%	25V
C1409	1-124-445-00	ELECT	100MF	20%	16V
C1410	1-124-472-11	ELECT	470MF	20%	6.3V
C1411	1-124-472-11	ELECT	470MF	20%	10V
C1412	1-124-472-11	ELECT	470MF	20%	10V
C1413	1-124-120-11	ELECT	220MF	20%	25V
C1414	1-124-120-11	ELECT	220MF	20%	25V
C1415	1-124-556-11	ELECT	2200MF	20%	16V
C1416	1-124-757-51	ELECT	3300MF	20%	10V
C1417	1-124-443-00	ELECT	100MF	20%	10V

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C1418	1-124-564-11	ELECT	4700MF	20%	25V
C1419	1-124-443-00	ELECT	100MF	20%	10V
C1420	1-124-478-11	ELECT	100MF	20%	25V
C1459	1-124-445-00	ELECT	100MF	20%	16V
C2001	1-123-611-00	ELECT	1MF	20%	50V
C2002	1-124-245-00	ELECT	4.7MF	20%	25V
C2003	1-124-245-00	ELECT	4.7MF	20%	25V
C2004	1-124-936-11	ELECT	4700MF		5.5V
C2005	1-123-875-91	ELECT	10MF	20%	50V
C2006	1-162-282-31	CERAMIC	100PF	10%	50V
C2007	1-162-282-31	CERAMIC	100PF	10%	50V
C2008	1-136-153-00	FILM	0.01MF	5%	50V
C2009	1-162-294-31	CERAMIC	0.001MF	10%	50V
C2010	1-162-294-31	CERAMIC	0.001MF	10%	50V
C2011	1-161-494-00	CERAMIC	0.022MF		25V
C2012	1-161-494-00	CERAMIC	0.022MF	10%	25V
C2013	1-162-294-31	CERAMIC	0.001MF		50V
C2014	1-161-494-00	CERAMIC	0.022MF		25V
C2015	1-161-494-00	CERAMIC	0.022MF		25V
C2016	1-124-443-00	ELECT	100MF	20%	10V
C2017	1-161-494-00	CERAMIC	0.022MF		25V
C2018	1-124-444-00	ELECT	220MF	20%	6.3V
C2019	1-161-494-00	CERAMIC	0.022MF		25V
C2020	1-124-444-00	ELECT	220MF	20%	6.3V
C2021	1-124-444-00	ELECT	220MF	20%	6.3V
C2051	1-123-611-00	ELECT	1MF	20%	50V
CF2001	1-567-809-11	OSCILLATOR, CERAMIC			
CN710	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P			
CN711	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P			
CN1402	1-562-068-13	SOCKET, CONNECTOR 13P			
CNE509	*1-564-506-11	PLUG, CONNECTOR 3P			
CNE510	*1-564-506-11	PLUG, CONNECTOR 3P			
CNE511	*1-564-506-11	PLUG, CONNECTOR 3P			
CNE512	*1-564-506-11	PLUG, CONNECTOR 3P			
CNE715	*1-564-507-11	PLUG, CONNECTOR 4P			
CNE720	*1-564-505-11	PLUG, CONNECTOR 2P			
CNE721	*1-564-505-11	PLUG, CONNECTOR 2P			
CNJ902	1-507-788-00	JACK, PIN 4P			
CNJ903	1-507-788-00	JACK, PIN 4P			
CNJ904	1-507-788-00	JACK, PIN 4P			
CNJ1201	1-507-658-00	JACK (MIC)			
CNJ1301	1-507-983-11	JACK (LARGE TYPE)(HEADPHONES)			
CNJ1401	1-562-068-13	SOCKET, CONNECTOR 13P (SYSTEM CONTROL 2)			
CNJ1402	*1-558-520-51	(UK)...CORD, 3P (WITH CONNECTOR)			
△ CNJ1403	1-526-751-00	(UK).....OUTLET, AC			
△ CNJ1403	1-526-774-11	(E).....OUTLET, AC			
△ CNJ1403	1-526-794-11	(AEP,G-AEP).....OUTLET, AC			
CNP501	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CNP502	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP503	*1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CNP504	*1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNP505	*1-560-060-00	PIN, CONNECTOR 2P			
CNP506	*1-560-060-00	PIN, CONNECTOR 2P			
CNP507	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P			
CNP508	*1-562-370-00	CONNECTOR, BOARD TO BOARD 18P			
CT101	1-141-225-00	CAP, TUNING, TRIMAR			
CT102	1-141-225-00	CAP, TUNING, TRIMAR			
CT201	1-141-225-00	CAP, TUNING, TRIMAR			
CT202	1-141-225-00	CAP, TUNING, TRIMAR			
D101	8-719-940-76	DIODE 1SS132			
D102	8-719-940-76	DIODE 1SS132			
D201	8-719-940-76	DIODE 1SS132			

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
D202	8-719-940-76	DIODE 1SS132
D501	8-719-940-76	DIODE 1SS132
D502	8-719-940-76	DIODE 1SS132
D503	8-719-940-76	DIODE 1SS132
D504	8-719-940-76	DIODE 1SS132
D505	8-719-940-76	DIODE 1SS132
D507	8-719-940-76	DIODE 1SS132
D508	8-719-940-76	DIODE 1SS132
D509	8-719-940-76	DIODE 1SS132
D510	8-719-940-76	DIODE 1SS132
D511	8-719-940-76	DIODE 1SS132
D512	8-719-940-76	DIODE 1SS132
D513	8-719-940-76	DIODE 1SS132
D514	8-719-940-76	DIODE 1SS132
D515	8-719-940-76	DIODE 1SS132
D516	8-719-940-76	DIODE 1SS132
D517	8-719-940-76	DIODE 1SS132
D518	8-719-940-76	DIODE 1SS132
D519	8-719-940-76	DIODE 1SS132
D521	8-719-940-76	DIODE 1SS132
D524	8-719-942-32	DIODE HZ3BLL
D525	8-719-942-32	DIODE HZ3BLL
D526	8-719-942-32	DIODE HZ3BLL
D527	8-719-942-32	DIODE HZ3BLL
D651	8-719-931-83	LED GL9ND24
D652	8-719-931-83	LED GL9ND24
D653	8-719-812-42	DIODE TLY124
D661	8-719-931-83	LED GL9ND24
D662	8-719-931-83	LED GL9ND24
D663	8-719-812-42	DIODE TLY124
D671	8-719-920-07	DIODE GL-9PG12
D672	8-719-303-13	LED SEL1210W
D673	8-719-303-13	LED SEL1210W
D674	8-719-303-13	LED SEL1210W
D675	8-719-939-97	LED GL8HY48
D701	8-719-200-77	DIODE 10E2N
D702	8-719-940-76	DIODE 1SS132
D721	8-719-200-77	DIODE 10E2N
D722	8-719-940-76	DIODE 1SS132
D761	8-719-940-76	DIODE 1SS132
D801	8-719-940-76	DIODE 1SS132
D811	8-719-940-76	DIODE 1SS132
D821	8-719-940-76	DIODE 1SS132
D830	8-719-921-11	DIODE HZ2ALL
D1103	8-719-939-96	LED GL8PR48
D1101	8-719-940-76	DIODE 1SS132
D1102	8-719-940-76	DIODE 1SS132
D1151	8-719-940-76	DIODE 1SS132
D1152	8-719-940-76	DIODE 1SS132
D1301	8-719-940-76	DIODE 1SS132
D1302	8-719-940-76	DIODE 1SS132
D1303	8-719-940-76	DIODE 1SS132
D1304	8-719-200-77	DIODE 10E2N
D1305	8-719-940-76	(E)...DIODE 1SS132
D1351	8-719-940-76	DIODE 1SS132
D1401	8-719-910-62	DIODE HZ6A2L
D1402	8-719-910-15	DIODE HZ11B2L
D1403	8-719-910-15	DIODE HZ11B2L
D1404	8-719-200-77	DIODE 10E2N
D1405	8-719-200-77	DIODE 10E2N

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
D1406	8-719-200-77	DIODE 10E2N
D1407	8-719-200-77	DIODE 10E2N
D1408	8-719-200-77	DIODE 10E2N
D1409	8-719-200-77	DIODE 10E2N
D1410	8-719-200-77	DIODE 10E2N
D1411	8-719-942-33	DIODE HZ3CLL
D1412	8-719-302-38	DIODE RBV-602-01
D1413	8-719-200-77	DIODE 10E2N
D1414	8-719-200-77	DIODE 10E2N
D1415	8-719-200-77	DIODE 10E2N
D1416	8-719-200-77	DIODE 10E2N
D1417	8-719-910-25	(UK)...DIODE HZ12B2L
D2001	8-719-022-21	DIODE 1T22A
D2002	8-719-951-13	DIODE HZ5CLL
D2004	8-719-940-76	DIODE 1SS132
D2005	8-719-200-77	DIODE 10E2N
D2006	8-719-940-76	DIODE 1SS132
D2010	8-719-940-76	DIODE 1SS132
D2011	8-719-940-76	DIODE 1SS132
D2013	8-719-940-76	DIODE 1SS132
D2014	8-719-940-76	DIODE 1SS132
D2015	8-719-940-76	DIODE 1SS132
D2016	8-719-940-76	DIODE 1SS132
D2017	8-719-940-76	DIODE 1SS132
D2018	8-719-940-76	DIODE 1SS132
D2051	8-719-022-21	DIODE 1T22A
D2052	8-719-951-13	DIODE HZ5CLL
D2101	8-719-939-97	DIODE GL8HY48
DR701	*1-564-337-21	PIN, CONNECTOR 3P
DR702	*1-564-337-31	PIN, CONNECTOR 3P
DR703	*1-564-336-00	PIN, CONNECTOR 2P
DR704	*1-564-339-71	PIN, CONNECTOR 5P
DR705	*1-564-339-00	PIN, CONNECTOR 5P
DR706	*1-564-338-00	PIN, CONNECTOR 4P
DR707	*1-564-340-00	PIN, CONNECTOR 6P
DR708	*1-564-338-71	PIN, CONNECTOR 4P
DR709	*1-564-340-71	PIN, CONNECTOR 6P
DR712	*1-564-339-00	PIN, CONNECTOR 5P
DR713	*1-564-340-61	PIN, CONNECTOR 6P
DR717	*1-564-337-00	PIN, CONNECTOR 3P
DR718	*1-564-339-31	PIN, CONNECTOR 5P
DR719	*1-564-337-00	PIN, CONNECTOR 3P
F1	△.1-532-203-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG, 2A
F1	△.1-532-285-00	(E)...FUSE, TIME-LAG, 1.25A
F2	△.1-532-203-00	(AEP,G-AEP)...FUSE, TIME-LAG, 2A
F2	△.1-532-285-00	(E)...FUSE, TIME-LAG, 1.25A
F3	△.1-532-203-00	FUSE, TIME-LAG, 2A
F4	△.1-532-203-00	FUSE, TIME-LAG, 2A
HRPE501	X-3391-135-1	HEAD ASSY, ROTARY
HRPE502	X-3391-135-1	HEAD ASSY, ROTARY
IC001	8-759-111-41	IC UPD6125G-510
IC302	8-759-111-68	IC UPC1237HA
IC501	8-759-111-44	IC UPC4570C-1

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
IC502	8-759-240-66	IC TC4066BP
IC503	8-759-145-58	IC UPC4558C
IC504	8-759-240-66	IC TC4066BP
IC505	8-759-240-66	IC TC4066BP
IC506	8-759-145-58	IC UPC4558C
IC507	8-759-240-01	IC TC4001BP
IC508	8-759-240-01	IC TC4001BP
IC509	8-759-240-11	IC TC4011BP
IC510	8-759-240-11	IC TC4011BP
IC511	8-759-240-01	IC TC4001BP
IC512	8-759-111-44	IC UPC4570C-1
IC513	8-759-800-92	IC LA3220
IC515	8-759-018-70	IC CX20187
IC517	8-759-145-58	IC UPC4558C
IC518	8-759-240-66	IC TC4066BP
IC519	8-759-145-58	IC UPC4558C
IC520	8-759-240-66	IC TC4066BP
IC701	8-759-939-76	IC MB88515B-233K
IC702	8-759-602-47	IC M50761-417P
IC703	8-759-240-52	IC TC4052BP
IC704	8-759-240-52	IC TC4052BP
IC705	8-759-240-69	IC TC4069UBP
IC901	8-759-800-37	IC LC4066BH
IC902	8-759-802-52	IC LC7818
IC906	8-759-600-02	IC M5218L
IC907	8-759-204-30	IC TC9176P
IC908	8-759-601-03	IC M54566P
IC1001	8-759-601-02	IC M5218P
IC1101	8-759-600-02	IC M5218L
IC1102	8-759-600-02	IC M5218L
IC1301	8-749-900-78	(E).....IC STK4192MK2
IC1301	8-749-941-52	(AEP,G-AEP,UK)...IC STK4152II
IC2001	8-759-604-11	IC M50723-600SP
IC2002	8-759-600-54	IC M50783SP
ICP1	Δ1-532-686-21	LINK, IC
ICP2	Δ1-532-686-21	LINK, IC
L101	1-408-929-00	MICRO INDUCTOR 27MMH
L102	1-408-924-00	MICRO INDUCTOR 10MMH
L103	1-408-929-00	MICRO INDUCTOR 27MMH
L104	1-408-924-00	MICRO INDUCTOR 10MMH
L105	1-408-924-00	MICRO INDUCTOR 10MMH
L201	1-408-929-00	MICRO INDUCTOR 27MMH
L202	1-408-924-00	MICRO INDUCTOR 10MMH
L203	1-408-929-00	MICRO INDUCTOR 27MMH
L204	1-408-924-00	MICRO INDUCTOR 10MMH
L205	1-408-924-00	MICRO INDUCTOR 10MMH
L1301	*1-420-872-00	COIL, AIR CORE
L1351	*1-420-872-00	COIL, AIR CORE
LD2001	1-807-691-11	DISPLAY PANEL, LIQUID CRYSTAL
LPF101	1-235-827-11	FILTER, LOW PASS
LPF201	1-235-827-11	FILTER, LOW PASS
M901A	X-3391-117-1	MOTOR ASSY, CAPSTAN
M901B	X-3391-117-1	MOTOR ASSY, CAPSTAN
M902A	X-3391-118-1	MOTOR ASSY, REEL
M902B	X-3391-118-1	MOTOR ASSY, REEL

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
PH1	1-800-427-00	(E)...POSISTOR
PH901	1-807-509-11	PHOTO SENSOR
PH902	1-807-509-11	PHOTO SENSOR
PM901A	1-454-428-11	SOLENOID, PLUNGER
PM901B	1-454-428-11	SOLENOID, PLUNGER
PL2001	1-518-576-31	LAMP, PILOT
PL2002	1-518-576-31	LAMP, PILOT
Q101	8-729-806-26	TRANSISTOR 2SC3901
Q103	8-729-806-26	TRANSISTOR 2SC3901
Q104	8-729-600-27	TRANSISTOR 2SC634SP
Q105	8-729-806-28	TRANSISTOR 2SC3402
Q106	8-729-806-28	TRANSISTOR 2SC3402
Q107	8-729-806-28	TRANSISTOR 2SC3402
Q108	8-729-806-26	TRANSISTOR 2SC3901
Q111	8-729-806-28	TRANSISTOR 2SC3402
Q112	8-729-806-28	TRANSISTOR 2SC3402
Q113	8-729-806-28	TRANSISTOR 2SC3402
Q114	8-729-806-28	TRANSISTOR 2SC3402
Q115	8-729-806-28	TRANSISTOR 2SC3402
Q116	8-729-806-28	TRANSISTOR 2SC3402
Q201	8-729-806-26	TRANSISTOR 2SC3901
Q203	8-729-806-26	TRANSISTOR 2SC3901
Q204	8-729-600-27	TRANSISTOR 2SC634SP
Q205	8-729-806-28	TRANSISTOR 2SC3402
Q206	8-729-806-28	TRANSISTOR 2SC3402
Q207	8-729-806-28	TRANSISTOR 2SC3402
Q208	8-729-806-26	TRANSISTOR 2SC3901
Q211	8-729-806-28	TRANSISTOR 2SC3402
Q212	8-729-806-28	TRANSISTOR 2SC3402
Q213	8-729-806-28	TRANSISTOR 2SC3402
Q214	8-729-806-28	TRANSISTOR 2SC3402
Q215	8-729-806-28	TRANSISTOR 2SC3402
Q216	8-729-806-28	TRANSISTOR 2SC3402
Q501	8-729-806-34	TRANSISTOR 2SC3400
Q502	8-729-806-28	TRANSISTOR 2SC3402
Q503	8-729-177-44	TRANSISTOR 2SD774-5
Q504	9-986-159-01	TRANSISTOR 2SA1348
Q505	9-986-159-01	TRANSISTOR 2SA1348
Q506	9-986-159-01	TRANSISTOR 2SA1348
Q508	8-729-802-34	TRANSISTOR 2SD1388
Q509	8-729-802-34	TRANSISTOR 2SD1388
Q510	8-729-802-34	TRANSISTOR 2SD1388
Q511	8-729-802-34	TRANSISTOR 2SD1388
Q512	8-729-806-28	TRANSISTOR 2SC3402
Q513	8-729-177-44	TRANSISTOR 2SD774-5
Q514	9-986-159-01	TRANSISTOR 2SA1348
Q515	9-986-159-01	TRANSISTOR 2SA1348
Q516	9-986-159-01	TRANSISTOR 2SA1348
Q517	8-729-806-28	TRANSISTOR 2SC3402
Q518	8-729-806-34	TRANSISTOR 2SC3400
Q519	8-729-600-27	TRANSISTOR 2SC634SP
Q520	8-729-806-28	TRANSISTOR 2SC3402
Q521	8-729-600-27	TRANSISTOR 2SC634SP
Q701	8-729-801-83	TRANSISTOR 2SB1013
Q702	8-729-801-93	TRANSISTOR 2SD1387
Q703	8-729-117-54	TRANSISTOR 2SA1175
Q704	8-729-801-93	TRANSISTOR 2SD1387
Q705	8-729-806-28	TRANSISTOR 2SC3402



## ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q706	8-729-801-93	TRANSISTOR 2SD1387
Q707	8-729-801-83	TRANSISTOR 2SB1013
Q708	8-729-801-83	TRANSISTOR 2SB1013
Q709	8-729-801-93	TRANSISTOR 2SD1387
Q710	8-729-801-93	TRANSISTOR 2SD1387
Q720	8-729-806-28	TRANSISTOR 2SC3402
Q721	8-729-801-83	TRANSISTOR 2SB1013
Q722	8-729-801-93	TRANSISTOR 2SD1387
Q723	8-729-117-54	TRANSISTOR 2SA1175
Q724	8-729-801-93	TRANSISTOR 2SD1387
Q725	8-729-806-28	TRANSISTOR 2SC3402
Q726	8-729-801-93	TRANSISTOR 2SD1387
Q727	8-729-801-83	TRANSISTOR 2SB1013
Q728	8-729-801-83	TRANSISTOR 2SB1013
Q729	8-729-801-93	TRANSISTOR 2SD1387
Q730	8-729-801-93	TRANSISTOR 2SD1387
Q741	8-729-806-26	TRANSISTOR 2SC3901
Q742	8-729-806-26	TRANSISTOR 2SC3901
Q743	8-729-806-26	TRANSISTOR 2SC3901
Q744	9-986-159-01	TRANSISTOR 2SA1348
Q745	9-986-159-01	TRANSISTOR 2SA1348
Q746	9-986-159-01	TRANSISTOR 2SA1348
Q747	9-986-159-01	TRANSISTOR 2SA1348
Q748	9-986-159-01	TRANSISTOR 2SA1348
Q749	9-986-159-01	TRANSISTOR 2SA1348
Q761	9-986-159-01	TRANSISTOR 2SA1348
Q783	9-986-159-01	TRANSISTOR 2SA1348
Q784	8-729-806-28	TRANSISTOR 2SC3402
Q785	9-986-159-01	TRANSISTOR 2SC1348
Q801	9-986-159-01	TRANSISTOR 2SC1348
Q802	8-729-806-28	TRANSISTOR 2SC3402
Q803	9-986-159-01	TRANSISTOR 2SA1348
Q804	9-986-159-01	TRANSISTOR 2SC1348
Q805	8-729-806-34	TRANSISTOR 2SC3400
Q811	8-729-117-54	TRANSISTOR 2SA1175
Q825	8-729-806-28	TRANSISTOR 2SC3402
Q901	8-729-806-34	TRANSISTOR 2SC3400
Q902	9-986-159-01	TRANSISTOR 2SC1348
Q903	8-729-204-83	TRANSISTOR 2SA1048-GR
Q904	8-729-107-98	TRANSISTOR 2SC3622A-L
Q905	8-729-107-98	TRANSISTOR 2SC3622A-L
Q954	8-729-107-98	TRANSISTOR 2SC3622A-L
Q1101	8-729-600-27	TRANSISTOR 2SC634SP
Q1102	8-729-600-27	TRANSISTOR 2SC634SP
Q1103	8-729-224-63	TRANSISTOR 2SK246BL
Q1151	8-729-600-27	TRANSISTOR 2SC634SP
Q1152	8-729-600-27	TRANSISTOR 2SC634SP
Q1153	8-729-224-63	TRANSISTOR 2SK246BL
Q1201	8-729-600-27	TRANSISTOR 2SC634SP
Q1301	8-729-107-98	TRANSISTOR 2SC3622A-L
Q1302	8-729-108-06	TRANSISTOR 2SC1841
Q1303	8-729-806-16	TRANSISTOR 2SA1346
Q1351	8-729-107-98	TRANSISTOR 2SC3622A-L
Q1352	8-729-108-06	TRANSISTOR 2SC1841
Q1401	8-729-107-25	TRANSISTOR 2SD1585-L
Q1402	8-729-600-27	TRANSISTOR 2SC634SP
Q1403	8-729-600-27	TRANSISTOR 2SC634SP

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
Q1404	8-729-117-54	TRANSISTOR 2SA1175
Q1405	8-729-117-54	TRANSISTOR 2SA1175
Q1406	8-729-111-67	TRANSISTOR 2SB1094-L
Q1407	8-729-107-25	TRANSISTOR 2SD1585-L
Q1408	8-729-111-67	TRANSISTOR 2SB1094-L
Q1409	8-729-107-25	TRANSISTOR 2SD1585-L
Q1410	8-729-600-27	TRANSISTOR 2SC634SP
Q1411	8-729-600-27	TRANSISTOR 2SC634SP
Q1412	8-729-107-25	(UK)...TRANSISTOR 2SD1585-L
Q2001	8-729-806-34	TRANSISTOR 2SC3400
Q2002	8-729-806-34	TRANSISTOR 2SC3400
Q2003	8-729-117-54	TRANSISTOR 2SA1175
Q2004	8-729-806-36	TRANSISTOR 2SC3401
Q2005	8-729-600-27	TRANSISTOR 2SC634SP
Q2101	9-986-159-01	TRANSISTOR 2SA1348
R101	1-215-479-00	CARBON 270K 5% 1/6W
R102	1-249-405-11	CARBON 100 5% 1/6W
R103	1-215-472-00	CARBON 130K 5% 1/6W
R104	1-215-438-00	CARBON 5.1K 5% 1/6W
R105	1-249-421-11	CARBON 2.2K 5% 1/6W
R106	1-249-422-11	CARBON 2.7K 5% 1/6W
R107	1-215-477-00	CARBON 220K 5% 1/6W
R109	1-249-418-11	CARBON 1.2K 5% 1/6W
R110	1-215-477-00	CARBON 220K 5% 1/6W
R111	1-215-479-00	CARBON 270K 5% 1/6W
R112	1-249-405-11	CARBON 100 5% 1/6W
R113	1-215-472-00	CARBON 130K 5% 1/6W
R114	1-215-438-00	CARBON 5.1K 5% 1/6W
R115	1-249-421-11	CARBON 2.2K 5% 1/6W
R116	1-249-422-11	CARBON 2.7K 5% 1/6W
R117	1-215-477-00	CARBON 220K 5% 1/6W
R120	1-249-413-11	CARBON 470 5% 1/6W
R121	1-247-834-00	CARBON 1.3K 5% 1/6W
R122	1-249-437-11	CARBON 47K 5% 1/6W
R123	1-249-441-11	CARBON 100K 5% 1/6W
R124	1-249-421-11	CARBON 2.2K 5% 1/6W
R125	1-249-433-11	CARBON 22K 5% 1/6W
R126	1-249-417-11	CARBON 1K 5% 1/6W
R127	1-249-421-11	CARBON 2.2K 5% 1/6W
R128	1-249-432-11	CARBON 18K 5% 1/6W
R129	1-249-425-11	CARBON 4.7K 5% 1/6W
R130	1-249-435-11	CARBON 33K 5% 1/6W
R131	1-249-441-11	CARBON 100K 5% 1/6W
R132	1-249-421-11	CARBON 2.2K 5% 1/6W
R133	1-249-437-11	CARBON 47K 5% 1/6W
R134	1-249-437-11	CARBON 47K 5% 1/6W
R135	1-249-430-11	CARBON 12K 5% 1/6W
R137	1-249-410-11	CARBON 270 5% 1/6W
R138	1-215-442-00	CARBON 7.5K 5% 1/6W
R139	1-249-422-11	CARBON 2.7K 5% 1/6W
R140	1-215-434-00	CARBON 3.6K 5% 1/6W
R142	1-249-432-11	CARBON 18K 5% 1/6W
R143	1-249-425-11	CARBON 4.7K 5% 1/6W
R144	1-249-435-11	CARBON 33K 5% 1/6W
R150	1-249-441-11	CARBON 100K 5% 1/6W
R151	1-249-441-11	CARBON 100K 5% 1/6W
R152	1-249-437-11	CARBON 47K 5% 1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R153	1-249-430-11	CARBON	12K	5%	1/6W
R164	1-249-421-11	CARBON	2.2K	5%	1/6W
R165	1-249-405-11	CARBON	100	5%	1/6W
R166	1-247-849-00	CARBON	5.6K	5%	1/6W
R167	1-249-417-11	CARBON	1K	5%	1/6W
R168	1-249-423-11	CARBON	3.3K	5%	1/6W
R169	1-249-417-11	CARBON	1K	5%	1/6W
R171	1-249-437-11	CARBON	47K	5%	1/6W
R172	1-249-421-11	CARBON	2.2K	5%	1/6W
R173	1-249-410-11	CARBON	270	5%	1/6W
R174	1-215-442-00	CARBON	7.5K	5%	1/6W
R175	1-249-422-11	CARBON	2.7K	5%	1/6W
R176	1-215-434-00	CARBON	3.6K	5%	1/6W
R178	1-249-441-11	CARBON	100K	5%	1/6W
R179	1-249-413-11	CARBON	470	5%	1/6W
R180	1-249-423-11	CARBON	3.3K	5%	1/6W
R182	1-249-427-11	CARBON	6.8K	5%	1/6W
R183	1-215-438-00	CARBON	5.1K	5%	1/6W
R184	1-249-422-11	CARBON	2.7K	5%	1/6W
R185	1-249-429-11	CARBON	10K	5%	1/6W
R186	1-249-427-11	CARBON	6.8K	5%	1/6W
R187	1-249-437-11	CARBON	47K	5%	1/6W
R188	1-249-433-11	CARBON	22K	5%	1/6W
R189	1-249-415-11	CARBON	680	5%	1/6W
R190	1-249-429-11	CARBON	10K	5%	1/6W
R191	1-249-409-11	CARBON	220	5%	1/6W
R192	1-249-442-11	CARBON	510	5%	1/6W
R193	1-249-417-11	CARBON	1K	5%	1/6W
R194	1-249-441-11	CARBON	100K	5%	1/6W
R195	1-249-422-11	CARBON	2.7K	5%	1/6W
R196	1-215-477-00	CARBON	220K	5%	1/6W
R197	1-215-477-00	CARBON	220K	5%	1/6W
R198	1-247-822-00	CARBON	430	5%	1/6W
R199	1-249-415-11	CARBON	680	5%	1/6W
R201	1-215-479-00	CARBON	270K	5%	1/6W
R202	1-249-405-11	CARBON	100	5%	1/6W
R203	1-215-472-00	CARBON	130K	5%	1/6W
R204	1-215-438-00	CARBON	5.1K	5%	1/6W
R205	1-249-421-11	CARBON	2.2K	5%	1/6W
R206	1-249-422-11	CARBON	2.7K	5%	1/6W
R207	1-215-477-00	CARBON	220K	5%	1/6W
R209	1-249-418-11	CARBON	1.2K	5%	1/6W
R210	1-215-477-00	CARBON	220K	5%	1/6W
R211	1-215-479-00	CARBON	270K	5%	1/6W
R212	1-249-405-11	CARBON	100	5%	1/6W
R213	1-215-472-00	CARBON	130K	5%	1/6W
R214	1-215-438-00	CARBON	5.1K	5%	1/6W
R215	1-249-421-11	CARBON	2.2K	5%	1/6W
R216	1-249-422-11	CARBON	2.7K	5%	1/6W
R217	1-215-477-00	CARBON	220K	5%	1/6W
R220	1-249-413-11	CARBON	470	5%	1/6W
R221	1-247-834-00	CARBON	1.3K	5%	1/6W
R222	1-249-437-11	CARBON	47K	5%	1/6W
R223	1-249-441-11	CARBON	100K	5%	1/6W
R224	1-249-421-11	CARBON	2.2K	5%	1/6W
R225	1-249-433-11	CARBON	22K	5%	1/6W
R226	1-249-417-11	CARBON	1K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R227	1-249-421-11	CARBON	2.2K	5%	1/6W
R228	1-249-432-11	CARBON	18K	5%	1/6W
R229	1-249-425-11	CARBON	4.7K	5%	1/6W
R230	1-249-435-11	CARBON	33K	5%	1/6W
R231	1-249-441-11	CARBON	100K	5%	1/6W
R232	1-249-421-11	CARBON	2.2K	5%	1/6W
R233	1-249-437-11	CARBON	47K	5%	1/6W
R234	1-249-437-11	CARBON	47K	5%	1/6W
R235	1-249-430-11	CARBON	12K	5%	1/6W
R237	1-249-410-11	CARBON	270	5%	1/6W
R238	1-215-442-00	CARBON	7.5K	5%	1/6W
R239	1-249-422-11	CARBON	2.7K	5%	1/6W
R240	1-215-434-00	CARBON	3.6K	5%	1/6W
R242	1-249-432-11	CARBON	18K	5%	1/6W
R243	1-249-425-11	CARBON	4.7K	5%	1/6W
R244	1-249-435-11	CARBON	33K	5%	1/6W
R250	1-249-441-11	CARBON	100K	5%	1/6W
R251	1-249-441-11	CARBON	100K	5%	1/6W
R252	1-249-437-11	CARBON	47K	5%	1/6W
R253	1-249-430-11	CARBON	12K	5%	1/6W
R264	1-249-421-11	CARBON	2.2K	5%	1/6W
R265	1-249-405-11	CARBON	100	5%	1/6W
R266	1-247-849-00	CARBON	5.6K	5%	1/6W
R267	1-249-417-11	CARBON	1K	5%	1/6W
R268	1-249-423-11	CARBON	3.3K	5%	1/6W
R269	1-249-417-11	CARBON	1K	5%	1/6W
R271	1-249-437-11	CARBON	47K	5%	1/6W
R272	1-249-421-11	CARBON	2.2K	5%	1/6W
R273	1-249-410-11	CARBON	270	5%	1/6W
R274	1-215-442-00	CARBON	7.5K	5%	1/6W
R275	1-249-422-11	CARBON	2.7K	5%	1/6W
R276	1-215-434-00	CARBON	3.6K	5%	1/6W
R278	1-249-441-11	CARBON	100K	5%	1/6W
R279	1-249-413-11	CARBON	470	5%	1/6W
R280	1-249-423-11	CARBON	3.3K	5%	1/6W
R282	1-249-427-11	CARBON	6.8K	5%	1/6W
R283	1-215-438-00	CARBON	5.1K	5%	1/6W
R284	1-249-422-11	CARBON	2.7K	5%	1/6W
R285	1-249-429-11	CARBON	10K	5%	1/6W
R286	1-249-427-11	CARBON	6.8K	5%	1/6W
R287	1-249-437-11	CARBON	47K	5%	1/6W
R288	1-249-433-11	CARBON	22K	5%	1/6W
R289	1-249-415-11	CARBON	680	5%	1/6W
R290	1-249-429-11	CARBON	10K	5%	1/6W
R291	1-249-409-11	CARBON	220	5%	1/6W
R292	1-249-442-11	CARBON	510	5%	1/6W
R293	1-249-417-11	CARBON	1K	5%	1/6W
R294	1-249-441-11	CARBON	100K	5%	1/6W
R295	1-249-422-11	CARBON	2.7K	5%	1/6W
R296	1-215-477-00	CARBON	220K	5%	1/6W
R297	1-215-477-00	CARBON	220K	5%	1/6W
R298	1-247-822-00	CARBON	430	5%	1/6W
R299	1-249-415-11	CARBON	680	5%	1/6W
R501	1-247-704-11	CARBON	220	5%	1/4W
R502	1-247-704-11	CARBON	220	5%	1/4W
R505	1-249-433-11	CARBON	22K	5%	1/6W
R506	1-249-429-11	CARBON	10K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R507	1-249-429-11	CARBON	10K	5%	1/6W
R509	1-247-704-11	CARBON	220	5%	1/4W
R510	1-247-704-11	CARBON	220	5%	1/4W
R511	1-249-433-11	CARBON	22K	5%	1/6W
R512	1-247-700-11	CARBON	100	5%	1/4W
R513	1-214-777-00	METAL	100K	1%	1/4W
R514	1-249-437-11	CARBON	47K	5%	1/6W
R515	1-249-437-11	CARBON	47K	5%	1/6W
R516	1-247-704-11	CARBON	220	5%	1/4W
R517	1-215-493-00	CARBON	1M	5%	1/6W
R518	1-249-405-11	CARBON	100	5%	1/6W
R519	1-249-429-11	CARBON	10K	5%	1/6W
R520	1-249-433-11	CARBON	22K	5%	1/6W
R522	1-249-433-11	CARBON	22K	5%	1/6W
R523	1-249-433-11	CARBON	22K	5%	1/6W
R524	1-249-433-11	CARBON	22K	5%	1/6W
R525	1-249-423-11	CARBON	3.3K	5%	1/6W
R526	1-249-423-11	CARBON	3.3K	5%	1/6W
R527	1-249-429-11	CARBON	10K	5%	1/6W
R528	1-249-440-11	CARBON	82K	5%	1/6W
R529	1-249-440-11	CARBON	82K	5%	1/6W
R530	1-249-440-11	CARBON	82K	5%	1/6W
R531	1-249-440-11	CARBON	82K	5%	1/6W
R532	1-247-713-11	CARBON	1K	5%	1/4W
R533	1-249-421-11	CARBON	2.2K	5%	1/6W
R534	1-249-424-11	CARBON	3.9K	5%	1/6W
R535	1-249-419-11	CARBON	1.5K	5%	1/6W
R536	1-249-389-11	CARBON	4.7	5%	1/6W
R537	1-249-433-11	CARBON	22K	5%	1/6W
R538	1-249-423-11	CARBON	3.3K	5%	1/6W
R539	1-249-417-11	CARBON	1K	5%	1/6W
R540	1-249-417-11	CARBON	1K	5%	1/6W
R541	1-249-421-11	CARBON	2.2K	5%	1/6W
R542	1-249-424-11	CARBON	3.9K	5%	1/6W
R543	1-249-419-11	CARBON	1.5K	5%	1/6W
R544	1-249-389-11	CARBON	4.7	5%	1/6W
R545	1-249-433-11	CARBON	22K	5%	1/6W
R546	1-249-417-11	CARBON	1K	5%	1/6W
R547	1-249-417-11	CARBON	1K	5%	1/6W
R548	1-249-454-11	CARBON	3.9	5%	1/4W
R549	1-249-454-11	CARBON	3.9	5%	1/4W
R550	1-249-441-11	CARBON	100K	5%	1/6W
R551	1-249-441-11	CARBON	100K	5%	1/6W
R552	1-249-423-11	CARBON	3.3K	5%	1/6W
R553	1-249-441-11	CARBON	100K	5%	1/6W
R554	1-249-428-11	CARBON	8.2K	5%	1/6W
R555	1-249-420-11	CARBON	1.8K	5%	1/6W
R556	1-249-441-11	CARBON	100K	5%	1/6W
R557	1-249-417-11	CARBON	1K	5%	1/6W
R558	1-249-441-11	CARBON	100K	5%	1/6W
R559	1-249-429-11	CARBON	10K	5%	1/6W
R560	1-249-447-11	CARBON	1	5%	1/4W
R561	1-249-447-11	CARBON	1	5%	1/4W
R563	1-249-429-11	CARBON	10K	5%	1/6W
R564	1-249-437-11	CARBON	47K	5%	1/6W
R565	1-249-437-11	CARBON	47K	5%	1/6W
R568	1-215-452-00	CARBON	20K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R569	1-215-452-00	CARBON	20K	5%	1/6W
R570	1-215-452-00	CARBON	20K	5%	1/6W
R571	1-215-452-00	CARBON	20K	5%	1/6W
R601	1-247-849-00	CARBON	5.6K	5%	1/6W
R602	1-249-429-11	CARBON	10K	5%	1/6W
R603	1-249-433-11	CARBON	22K	5%	1/6W
R604	1-247-849-00	CARBON	5.6K	5%	1/6W
R605	1-249-429-11	CARBON	10K	5%	1/6W
R606	1-249-433-11	CARBON	22K	5%	1/6W
R611	1-247-849-00	CARBON	5.6K	5%	1/6W
R612	1-249-429-11	CARBON	10K	5%	1/6W
R613	1-249-433-11	CARBON	22K	5%	1/6W
R614	1-247-849-00	CARBON	5.6K	5%	1/6W
R615	1-249-429-11	CARBON	10K	5%	1/6W
R616	1-249-433-11	CARBON	22K	5%	1/6W
R621	1-249-422-11	CARBON	2.7K	5%	1/6W
R622	1-249-424-11	CARBON	3.9K	5%	1/6W
R623	1-249-428-11	CARBON	8.2K	5%	1/6W
R624	1-249-433-11	CARBON	22K	5%	1/6W
R631	1-249-429-11	CARBON	10K	5%	1/6W
R632	1-249-433-11	CARBON	22K	5%	1/6W
R633	1-249-431-11	CARBON	15K	5%	1/6W
R651	1-249-402-11	CARBON	56	5%	1/6W
R652	1-249-404-00	CARBON	82	5%	1/6W
R653	1-249-402-11	CARBON	56	5%	1/6W
R654	1-249-404-00	CARBON	82	5%	1/6W
R655	1-215-394-00	CARBON	75	5%	1/6W
R661	1-249-402-11	CARBON	56	5%	1/6W
R662	1-249-404-00	CARBON	82	5%	1/6W
R663	1-249-402-11	CARBON	56	5%	1/6W
R664	1-249-404-00	CARBON	82	5%	1/6W
R665	1-215-394-00	CARBON	75	5%	1/6W
R671	1-249-402-11	CARBON	56	5%	1/6W
R672	1-249-404-00	CARBON	82	5%	1/6W
R673	1-249-404-00	CARBON	82	5%	1/6W
R674	1-249-404-00	CARBON	82	5%	1/6W
R675	1-215-394-00	CARBON	75	5%	1/6W
R701	1-249-417-11	CARBON	1K	5%	1/6W
R702	1-249-437-11	CARBON	47K	5%	1/6W
R703	1-249-425-11	CARBON	4.7K	5%	1/6W
R704	1-249-437-11	CARBON	47K	5%	1/6W
R705	1-249-431-11	CARBON	15K	5%	1/6W
R706	1-249-431-11	CARBON	15K	5%	1/6W
R707	1-249-437-11	CARBON	47K	5%	1/6W
R708	1-249-433-11	CARBON	22K	5%	1/6W
R709	1-249-425-11	CARBON	4.7K	5%	1/6W
R710	1-249-415-11	CARBON	680	5%	1/6W
R711	1-249-413-11	CARBON	470	5%	1/6W
R712	1-249-416-11	CARBON	820	5%	1/6W
R713	1-247-729-11	CARBON	15	5%	1/2W
R714	1-249-425-11	CARBON	4.7K	5%	1/6W
R715	1-249-437-11	CARBON	47K	5%	1/6W
R716	1-249-417-11	CARBON	1K	5%	1/6W
R717	1-249-417-11	CARBON	1K	5%	1/6W
R718	1-249-425-11	CARBON	4.7K	5%	1/6W
R719	1-249-437-11	CARBON	47K	5%	1/6W
R720	1-249-425-11	CARBON	4.7K	5%	1/6W

## ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R721	1-249-417-11	CARBON	1K	5%	1/6W
R722	1-249-437-11	CARBON	47K	5%	1/6W
R723	1-249-425-11	CARBON	4.7K	5%	1/6W
R724	1-249-437-11	CARBON	47K	5%	1/6W
R725	1-249-431-11	CARBON	15K	5%	1/6W
R726	1-249-431-11	CARBON	15K	5%	1/6W
R727	1-249-437-11	CARBON	47K	5%	1/6W
R728	1-249-433-11	CARBON	22K	5%	1/6W
R729	1-249-425-11	CARBON	4.7K	5%	1/6W
R730	1-249-415-11	CARBON	680	5%	1/6W
R731	1-249-413-11	CARBON	470	5%	1/6W
R732	1-249-416-11	CARBON	820	5%	1/6W
R733	1-247-729-11	CARBON	15	5%	1/2W
R734	1-249-425-11	CARBON	4.7K	5%	1/6W
R735	1-249-437-11	CARBON	47K	5%	1/6W
R736	1-249-417-11	CARBON	1K	5%	1/6W
R737	1-249-417-11	CARBON	1K	5%	1/6W
R738	1-249-425-11	CARBON	4.7K	5%	1/6W
R739	1-249-437-11	CARBON	47K	5%	1/6W
R751	1-249-437-11	CARBON	47K	5%	1/6W
R752	1-215-479-00	CARBON	270K	5%	1/6W
R756	1-249-437-11	CARBON	47K	5%	1/6W
R757	1-215-479-00	CARBON	270K	5%	1/6W
R761	1-249-430-11	CARBON	12K	5%	1/6W
R762	1-247-849-00	CARBON	5.6K	5%	1/6W
R763	1-249-429-11	CARBON	10K	5%	1/6W
R764	1-249-433-11	CARBON	22K	5%	1/6W
R765	1-249-430-11	CARBON	12K	5%	1/6W
R766	1-247-849-00	CARBON	5.6K	5%	1/6W
R767	1-249-429-11	CARBON	10K	5%	1/6W
R768	1-249-433-11	CARBON	22K	5%	1/6W
R769	1-249-422-11	CARBON	2.7K	5%	1/6W
R770	1-215-493-00	CARBON	1M	5%	1/6W
R773	1-249-432-11	CARBON	18K	5%	1/6W
R774	1-249-430-11	CARBON	12K	5%	1/6W
R775	1-249-432-11	CARBON	18K	5%	1/6W
R781	1-215-485-00	CARBON	470K	5%	1/6W
R782	1-215-485-00	CARBON	470K	5%	1/6W
R783	1-215-485-00	CARBON	470K	5%	1/6W
R784	1-215-485-00	CARBON	470K	5%	1/6W
R786	1-249-431-11	CARBON	15K	5%	1/6W
R787	1-249-431-11	CARBON	15K	5%	1/6W
R788	1-249-429-11	CARBON	10K	5%	1/6W
R789	1-249-430-11	CARBON	12K	5%	1/6W
R790	1-249-430-11	CARBON	12K	5%	1/6W
R791	1-249-430-11	CARBON	12K	5%	1/6W
R792	1-249-430-11	CARBON	12K	5%	1/6W
R802	1-249-437-11	CARBON	47K	5%	1/6W
R803	1-249-437-11	CARBON	47K	5%	1/6W
R811	1-249-441-11	CARBON	100K	5%	1/6W
R812	1-249-417-11	CARBON	1K	5%	1/6W
R813	1-249-437-11	CARBON	47K	5%	1/6W
R821	1-249-437-11	CARBON	47K	5%	1/6W
R823	1-249-437-11	CARBON	47K	5%	1/6W
R824	1-249-429-11	CARBON	10K	5%	1/6W
R825	1-249-421-11	CARBON	2.2K	5%	1/6W
R826	1-249-429-11	CARBON	10K	5%	1/6W

## ELECTRICAL PARTS


Ref.No.	Part No.	Description			
R828	1-249-425-11	CARBON	4.7K	5%	1/6W
R829	1-249-420-11	CARBON	1.8K	5%	1/6W
R901	1-215-493-00	CARBON	1M	5%	1/6W
R902	1-215-493-00	CARBON	1M	5%	1/6W
R903	1-249-413-11	CARBON	470	5%	1/6W
R904	1-249-413-11	CARBON	470	5%	1/6W
R905	1-215-487-00	CARBON	560K	5%	1/6W
R906	1-249-417-11	CARBON	1K	5%	1/6W
R907	1-249-417-11	CARBON	1K	5%	1/6W
R908	1-215-487-00	CARBON	560K	5%	1/6W
R909	1-249-417-11	CARBON	1K	5%	1/6W
R910	1-215-487-00	CARBON	560K	5%	1/6W
R911	1-249-417-11	CARBON	1K	5%	1/6W
R912	1-215-487-00	CARBON	560K	5%	1/6W
R913	1-249-433-11	CARBON	22K	5%	1/6W
R914	1-215-493-00	CARBON	1M	5%	1/6W
R915	1-249-421-11	CARBON	2.2K	5%	1/6W
R916	1-249-433-11	CARBON	22K	5%	1/6W
R921	1-249-433-11	CARBON	22K	5%	1/6W
R922	1-249-433-11	CARBON	22K	5%	1/6W
R923	1-215-491-00	CARBON	820K	5%	1/6W
R924	1-249-429-11	CARBON	10K	5%	1/6W
R925	1-249-429-11	CARBON	10K	5%	1/6W
R926	1-249-433-11	CARBON	22K	5%	1/6W
R927	1-249-433-11	CARBON	22K	5%	1/6W
R930	1-249-433-11	CARBON	22K	5%	1/6W
R931	1-249-433-11	CARBON	22K	5%	1/6W
R932	1-249-433-11	CARBON	22K	5%	1/6W
R938	1-249-417-11	CARBON	1K	5%	1/6W
R939	1-249-441-11	CARBON	100K	5%	1/6W
R941	1-249-417-11	CARBON	1K	5%	1/6W
R942	1-215-477-00	CARBON	220K	5%	1/6W
R943	1-249-418-11	CARBON	1.2K	5%	1/6W
R944	1-249-414-11	CARBON	560	5%	1/6W
R945	1-215-477-00	CARBON	220K	5%	1/6W
R946	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W
R947	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W
R948	1-215-487-00	CARBON	560K	5%	1/6W
R949	1-249-433-11	CARBON	22K	5%	1/6W
R950	1-249-433-11	CARBON	22K	5%	1/6W
R951	1-215-493-00	CARBON	1M	5%	1/6W
R952	1-215-493-00	CARBON	1M	5%	1/6W
R953	1-249-413-11	CARBON	470	5%	1/6W
R954	1-249-413-11	CARBON	470	5%	1/6W
R955	1-215-487-00	CARBON	560K	5%	1/6W
R956	1-249-417-11	CARBON	1K	5%	1/6W
R957	1-249-417-11	CARBON	1K	5%	1/6W
R958	1-215-487-00	CARBON	560K	5%	1/6W
R959	1-249-417-11	CARBON	1K	5%	1/6W
R960	1-215-487-00	CARBON	560K	5%	1/6W
R961	1-249-417-11	CARBON	1K	5%	1/6W
R962	1-215-487-00	CARBON	560K	5%	1/6W
R965	1-249-421-11	CARBON	2.2K	5%	1/6W
R966	1-249-433-11	CARBON	22K	5%	1/6W
R988	1-249-417-11	CARBON	1K	5%	1/6W
R989	1-249-441-11	CARBON	100K	5%	1/6W
R991	1-249-417-11	CARBON	1K	5%	1/6W

## ELECTRICAL PARTS

Ref No.	Part No.	Description				
R992	1-215-477-00	CARBON	220K	5%	1/6W	
R993	1-249-418-11	CARBON	1.2K	5%	1/6W	
R994	1-249-414-11	CARBON	560	5%	1/6W	
R995	1-215-477-00	CARBON	220K	5%	1/6W	
R996	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W	
R997	1-249-417-11	(G-AEP)...CARBON	1K	5%	1/6W	
R998	1-215-487-00	CARBON	560K	5%	1/6W	
R1001	1-249-441-11	CARBON	100K	5%	1/6W	
R1002	1-249-417-11	CARBON	1K	5%	1/6W	
R1003	1-249-441-11	CARBON	100K	5%	1/6W	
R1004	1-249-416-11	CARBON	820	5%	1/6W	
R1005	1-215-487-00	CARBON	560K	5%	1/6W	
R1006	1-249-437-11	CARBON	47K	5%	1/6W	
R1007	1-249-441-11	CARBON	100K	5%	1/6W	
R1008	1-249-409-11	CARBON	220	5%	1/6W	
R1009	1-247-704-11	CARBON	220	5%	1/4W	
R1051	1-249-441-11	CARBON	100K	5%	1/6W	
R1052	1-249-417-11	CARBON	1K	5%	1/6W	
R1053	1-249-441-11	CARBON	100K	5%	1/6W	
R1054	1-249-416-11	CARBON	820	5%	1/6W	
R1055	1-215-487-00	CARBON	560K	5%	1/6W	
R1056	1-249-437-11	CARBON	47K	5%	1/6W	
R1057	1-249-441-11	CARBON	100K	5%	1/6W	
R1058	1-249-409-11	CARBON	220	5%	1/6W	
R1059	1-247-704-11	CARBON	220	5%	1/4W	
R1101	1-249-441-11	CARBON	100K	5%	1/6W	
R1102	1-249-435-11	CARBON	33K	5%	1/6W	
R1103	1-249-435-11	CARBON	33K	5%	1/6W	
R1104	1-249-428-11	CARBON	8.2K	5%	1/6W	
R1105	1-249-441-11	CARBON	100K	5%	1/6W	
R1106	1-249-441-11	CARBON	100K	5%	1/6W	
R1107	1-249-417-11	CARBON	1K	5%	1/6W	
R1108	1-249-441-11	CARBON	100K	5%	1/6W	
R1109	1-249-425-11	CARBON	4.7K	5%	1/6W	
R1110	1-249-441-11	CARBON	100K	5%	1/6W	
R1111	1-249-417-11	CARBON	1K	5%	1/6W	
R1112	1-215-485-00	CARBON	470K	5%	1/6W	
R1113	1-249-427-11	CARBON	6.8K	5%	1/6W	
R1114	1-249-412-11	CARBON	390	5%	1/6W	
R1115	1-249-429-11	CARBON	10K	5%	1/6W	
R1116	1-215-485-00	CARBON	470K	5%	1/6W	
R1117	1-249-427-11	CARBON	6.8K	5%	1/6W	
R1118	1-249-412-11	CARBON	390	5%	1/6W	
R1119	1-249-441-11	CARBON	100K	5%	1/6W	
R1121	1-215-493-00	CARBON	1M	5%	1/6W	
R1122	1-249-429-11	CARBON	10K	5%	1/6W	
R1123	1-249-419-11	(G-AEP/PRE AMP BOARD) ...CARBON	1.5K	5%	1/6W	
R1123	1-249-428-11	(MAIN BOARD)...CARBON	8.2K	5%	1/6W	
R1124	1-249-433-11	CARBON	22K	5%	1/6W	
R1125	1-247-751-11	CARBON	820	5%	1/2W	
R1130	1-249-417-11	CARBON	1K	5%	1/6W	
R1151	1-249-441-11	CARBON	100K	5%	1/6W	
R1152	1-249-435-11	CARBON	33K	5%	1/6W	
R1153	1-249-435-11	CARBON	33K	5%	1/6W	
R1154	1-249-428-11	CARBON	8.2K	5%	1/6W	
R1155	1-249-441-11	CARBON	100K	5%	1/6W	
R1156	1-249-441-11	CARBON	100K	5%	1/6W	

## ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R1157	1-249-417-11	CARBON	1K	5%	1/6W	
R1158	1-249-441-11	CARBON	100K	5%	1/6W	
R1159	1-249-425-11	CARBON	4.7K	5%	1/6W	
R1160	1-249-441-11	CARBON	100K	5%	1/6W	
R1161	1-249-417-11	CARBON	1K	5%	1/6W	
R1162	1-215-485-00	CARBON	470K	5%	1/6W	
R1163	1-249-427-11	CARBON	6.8K	5%	1/6W	
R1164	1-249-412-11	CARBON	390	5%	1/6W	
R1165	1-249-429-11	CARBON	10K	5%	1/6W	
R1166	1-215-485-00	CARBON	470K	5%	1/6W	
R1167	1-249-427-11	CARBON	6.8K	5%	1/6W	
R1168	1-249-412-11	CARBON	390	5%	1/6W	
R1169	1-249-441-11	CARBON	100K	5%	1/6W	
R1171	1-215-493-00	CARBON	1M	5%	1/6W	
R1173	1-249-419-11	(G-AEP/PRE AMP BOARD) ...CARBON	1.5K	5%	1/6W	
R1173	1-249-428-11	(MANI BOARD)...CARBON	8.2K	5%	1/6W	
R1174	1-249-433-11	CARBON	22K	5%	1/6W	
R1201	1-249-441-11	CARBON	100K	5%	1/6W	
R1202	1-249-441-11	CARBON	100K	5%	1/6W	
R1203	1-249-417-11	CARBON	1K	5%	1/6W	
R1204	1-247-849-00	CARBON	5.6K	5%	1/6W	
R1205	1-249-431-11	CARBON	15K	5%	1/6W	
R1206	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1207	1-249-441-11	CARBON	100K	5%	1/6W	
R1208	1-249-417-11	CARBON	1K	5%	1/6W	
R1301	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1302	1-249-437-11	CARBON	47K	5%	1/6W	
R1303	1-249-417-11	CARBON	1K	5%	1/6W	
R1304	1-249-438-11	CARBON	56K	5%	1/6W	
R1305	1-249-424-11	CARBON	3.9K	5%	1/6W	
R1306	1-249-438-11	CARBON	56K	5%	1/6W	
R1307	1-247-756-11	(AEP,G-AEP,UK)...CARBON	2.2K	5%	1/2W	
R1307	1-247-758-11	(E)....CARBON	3.3K	5%	1/6W	
R1308	1-247-756-11	(AEP,G-AEP,UK)...CARBON	2.2K	5%	1/2W	
R1308	1-247-758-11	(E).....CARBON	3.3K	5%	1/6W	
R1309	1-247-700-11	CARBON	100	5%	1/4W	F
R1310	1-247-752-11	CARBON	1K	5%	1/2W	
R1311	1-247-752-11	CARBON	1K	5%	1/2W	
R1312	1-249-417-11	CARBON	1K	5%	1/6W	
R1313	1-249-431-11	CARBON	15K	5%	1/6W	
R1314	1-217-156-00	RES, METAL PLATE	0.22			
R1315	1-249-441-11	CARBON	100K	5%	1/6W	
R1316	1-247-192-00	CARBON	10	5%	1/2W	F
R1317	1-247-727-11	CARBON	10	5%	1/2W	
R1318	1-249-438-11	CARBON	56K	5%	1/6W	
R1319	1-249-429-11	CARBON	10K	5%	1/6W	
R1320	1-249-441-11	CARBON	100K	5%	1/6W	
R1321	1-249-460-11	(AEP,G-AEP,UK)...CARBON	15K	5%	1/4W	
R1321	1-249-461-11	(E).....CARBON	18K	5%	1/4W	
R1322	1-249-437-11	CARBON	47K	5%	1/6W	
R1323	1-249-486-11	(AEP,G-AEP,UK)...CARBON	12K	5%	1/2W	
R1323	1-249-487-11	(E)....CARBON	15K	5%	1/2W	

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No. Part No. Description

R1324A	1-216-454-11	(AEP,G-AEP,UK) ...METAL OXIDE	390	5%	2W	F
R1324A	1-215-891-11	(E).....METAL OXIDE	680	5%	2W	F
R1325	1-247-745-11	CARBON	330	5%	1/2W	
R1326	1-249-432-11	CARBON	18K	5%	1/6W	
R1327	1-249-434-11	CARBON	27K	5%	1/6W	
R1328	1-249-433-11	(CONTROL BOARD)...CARBON	22K	5%	1/6W	
R1328	1-249-436-11	(E/MAIN).....CARBON	39K	5%	1/6W	
R1329	1-249-441-11	(CONTROL BOARD)...CARBON	100K	5%	1/6W	
R1329	1-249-478-11	(G-AEP/MAIN BOARD) ...CARBON	2.2	5%	1/6W	
R1330	1-249-478-11	(G-AEP)...CARBON	2.2	5%	1/2W	
R1351	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1352	1-249-437-11	CARBON	47K	5%	1/6W	
R1353	1-249-417-11	CARBON	1K	5%	1/6W	
R1354	1-249-438-11	CARBON	56K	5%	1/6W	
R1355	1-249-424-11	CARBON	3.9K	5%	1/6W	
R1356	1-249-438-11	CARBON	56K	5%	1/6W	
R1357	1-247-756-11	(AEP,G-AEP,UK)...CARBON	2.2K	5%	1/2W	
R1357	1-247-758-11	(E/MAIN).....CARBON	3.3K	5%	1/2W	
R1358A	1-247-756-11	(AEP,G-AEP,UK)...CARBON	2.2K	5%	1/2W	
R1358A	1-247-758-11	(E/MAIN).....CARBON	3.3K	5%	1/2W	
R1359A	1-247-700-11	CARBON	100	5%	1/4W	F
R1362	1-249-417-11	CARBON	1K	5%	1/6W	
R1363	1-249-431-11	CARBON	15K	5%	1/6W	
R1364	1-217-156-00	RES, METAL PLATE	0.22			
R1365	1-249-441-11	CARBON	100K	5%	1/6W	
R1366A	1-247-192-00	CARBON	10	5%	1/2W	F
R1367	1-247-727-11	CARBON	10	5%	1/2W	
R1368	1-249-437-11	CARBON	47K	5%	1/6W	
R1375	1-247-745-11	CARBON	330	5%	1/2W	
R1376	1-249-432-11	CARBON	18K	5%	1/6W	
R1377	1-249-434-11	CARBON	27K	5%	1/6W	
R1401	1-249-418-11	CARBON	1.2K	5%	1/6W	
R1402	1-249-418-11	CARBON	1.2K	5%	1/6W	
R1403	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1404	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1405	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1406	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1407	1-249-409-11	CARBON	220	5%	1/6W	
R1408	1-249-418-11	CARBON	1.2K	5%	1/6W	
R1409	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1410	1-249-418-11	CARBON	1.2K	5%	1/6W	
R1411	1-249-417-11	CARBON	1K	5%	1/6W	
R1412	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1413	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1414	1-249-411-11	CARBON	330	5%	1/6W	
R1415	1-249-419-11	CARBON	1.5K	5%	1/6W	
R1416	1-249-417-11	CARBON	1K	5%	1/6W	
R1418	1-249-421-11	CARBON	2.2K	5%	1/6W	
R1419A	1-217-387-00	(UK)...FUSEBLE	10	5%	1/4W	F
R1430	1-247-706-11	(UK)...CARBON	330	5%	1/4W	
R2001	1-215-477-00	CARBON	220K	5%	1/6W	
R2002	1-249-433-11	CARBON	22K	5%	1/6W	
R2003	1-249-433-11	CARBON	22K	5%	1/6W	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No. Part No. Description

R2004	1-249-425-11	CARBON	4.7K	5%	1/6W	
R2005	1-249-441-11	CARBON	100K	5%	1/6W	
R2006	1-249-441-11	CARBON	100K	5%	1/6W	
R2007	1-249-441-11	CARBON	100K	5%	1/6W	
R2008	1-249-441-11	CARBON	100K	5%	1/6W	
R2009	1-249-405-11	CARBON	100	5%	1/6W	
R2010	1-249-417-11	CARBON	1K	5%	1/6W	
R2011	1-249-417-11	CARBON	1K	5%	1/6W	
R2012	1-249-405-11	CARBON	100	5%	1/6W	
R2013	1-215-493-00	CARBON	1M	5%	1/6W	
R2014	1-249-433-11	CARBON	22K	5%	1/6W	
R2015	1-249-433-11	CARBON	22K	5%	1/6W	
R2016	1-249-433-11	CARBON	22K	5%	1/6W	
R2017	1-249-433-11	CARBON	22K	5%	1/6W	
R2018	1-249-433-11	CARBON	22K	5%	1/6W	
R2019	1-249-433-11	CARBON	22K	5%	1/6W	
R2020	1-249-433-11	CARBON	22K	5%	1/6W	
R2021	1-249-433-11	CARBON	22K	5%	1/6W	
R2022	1-249-433-11	CARBON	22K	5%	1/6W	
R2023	1-249-433-11	CARBON	22K	5%	1/6W	
R2024	1-249-433-11	CARBON	22K	5%	1/6W	
R2025	1-249-433-11	CARBON	22K	5%	1/6W	
R2026	1-249-433-11	CARBON	22K	5%	1/6W	
R2027	1-249-433-11	CARBON	22K	5%	1/6W	
R2028	1-249-433-11	CARBON	22K	5%	1/6W	
R2029	1-249-433-11	CARBON	22K	5%	1/6W	
R2030	1-249-433-11	CARBON	22K	5%	1/6W	
R2031	1-249-429-11	CARBON	10K	5%	1/6W	
R2032	1-249-429-11	CARBON	10K	5%	1/6W	
R2033	1-249-429-11	CARBON	10K	5%	1/6W	
R2034	1-249-429-11	CARBON	10K	5%	1/6W	
R2037	1-249-429-11	CARBON	10K	5%	1/6W	
R2041	1-249-429-11	CARBON	10K	5%	1/6W	
R2042	1-249-429-11	CARBON	10K	5%	1/6W	
R2043	1-249-429-11	CARBON	10K	5%	1/6W	
R2047	1-249-417-11	CARBON	1K	5%	1/6W	
R2048	1-249-417-11	CARBON	1K	5%	1/6W	
R2049	1-249-417-11	CARBON	1K	5%	1/6W	
R2050	1-249-417-11	CARBON	1K	5%	1/6W	
R2051	1-215-477-00	CARBON	220K	5%	1/6W	
R2053	1-249-433-11	CARBON	22K	5%	1/6W	
R2054	1-249-417-11	CARBON	1K	5%	1/6W	
R2101	1-247-751-11	CARBON	820	5%	1/2W	
RV101	1-230-721-11	RES, ADJ, CARBON	10K			
RV102	1-230-722-11	RES, ADJ, CARBON	22K			
RV103	1-230-721-11	RES, ADJ, CARBON	10K			
RV104	1-230-722-11	RES, ADJ, CARBON	22K			
RV201	1-230-721-11	RES, ADJ, CARBON	10K			
RV202	1-230-722-11	RES, ADJ, CARBON	22K			
RV203	1-230-721-11	RES, ADJ, CARBON	10K			
RV204	1-230-722-11	RES, ADJ, CARBON	22K			
RV501	1-228-991-00	RES, ADJ, CARBON	2.2K			
RV502	1-228-991-00	RES, ADJ, CARBON	2.2K			
RV701	1-230-722-11	RES, ADJ, CARBON	22K			
RV702	1-230-722-11	RES, ADJ, CARBON	22K			
RV721	1-230-722-11	RES, ADJ, CARBON	22K			
RV722	1-230-722-11	RES, ADJ, CARBON	22K			
RV901	1-230-391-11	RES, VAR, CARBON	100K/100K			

(MIXING VOLUME)



## ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV902	1-237-440-11	RES, VAR, SLIDE 100K/100K (BALANCE)
RV1101	1-237-441-11	RES, VAR, SLIDE 100K/100K (TREBLE)
RV1102	1-237-441-11	RES, VAR, SLIDE 100K/100K (BASS)
RY501	1-515-547-11	RELAY
RY502	1-515-547-11	RELAY
RY1301	1-515-501-00	RELAY
S1	$\Delta$ 1-554-685-41	SWITCH, PUSH (AC POWER)(1 KEY)
S2	$\Delta$ 1-570-307-11	(E)...SWITCH, VOLTAGE SELECTOR
S601	1-554-303-21	SWITCH, KEY BOARD ( ■ )
S602	1-554-303-21	SWITCH, KEY BOARD ( ◀ )
S603	1-554-303-21	SWITCH, KEY BOARD ( ▶ )
S604	1-554-303-21	SWITCH, KEY BOARD (REC)
S605	1-554-303-21	SWITCH, KEY BOARD ( ▶ )
S606	1-554-303-21	SWITCH, KEY BOARD ( ◀ )
S607	1-554-303-21	SWITCH, KEY BOARD (PAUSE)
S608	1-554-303-21	SWITCH, KEY BOARD (REC MUTE)
S611	1-554-303-21	SWITCH, KEY BOARD ( ■ )
S612	1-554-303-21	SWITCH, KEY BOARD ( ◀ )
S613	1-554-303-21	SWITCH, KEY BOARD ( ▶ )
S614	1-554-303-21	SWITCH, KEY BOARD (REC)
S615	1-554-303-21	SWITCH, KEY BOARD ( ▶ )
S616	1-554-303-21	SWITCH, KEY BOARD ( ◀ )
S617	1-554-303-21	SWITCH, KEY BOARD (PAUSE)
S618	1-554-303-21	SWITCH, KEY BOARD (REC MUTE)
S621	1-554-303-21	SWITCH, KEY BOARD (AMS/BALNK SKIP)
S622	1-554-303-21	SWITCH, KEY BOARD (HIGH SPEED)
S623	1-554-303-21	SWITCH, KEY BOARD (NORMAL SPEED)
S624	1-554-303-21	SWITCH, KEY BOARD (AUTO PAUSE)
S625	1-554-303-21	SWITCH, KEY BOARD (A+B REC)
S631	1-570-837-11	SWITCH, SLIDE (TIMER)
S632	1-570-837-11	SWITCH, SLIDE (DIR MODE)
S634	1-570-837-11	SWITCH, SLIDE (DOLBY NR)
S911	1-570-720-11	SWITCH, PUSH (1 KEY)(HALF DET)
S912	1-570-720-11	SWITCH, PUSH (1 KEY)(FWD ERASE PROOF)
S913	1-570-723-11	SWITCH, PUSH (1 KEY)(TYPE IV DET)
S914	1-570-720-11	SWITCH, PUSH (1 KEY)(TAPE II DET)

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

## ELECTRICAL PARTS

Ref.No.	Part No.	Description
S915	1-570-720-11	SWITCH, PUSH (1 KEY)(REV ERASE PROOF)
S916	1-570-719-11	SWITCH, LEAF (DIRECTION)
S917	1-570-721-11	SWITCH, LEAF (MOTOR POWER)
S918	1-570-720-11	SWITCH, PUSH (1 KEY)(HALF DET)
S919	1-570-720-11	SWITCH, PUSH (1 KEY)(FWD ERASE PROOF)
S920	1-570-723-11	SWITCH, PUSH (1 KEY)(TYPE IV DET)
S921	1-570-720-11	SWITCH, PUSH (1 KEY)(TYPE II DET)
S922	1-570-720-11	SWITCH, PUSH (1 KEY)(REV ERASE PROOF)
S923	1-570-719-11	SWITCH, LEAF (DIRECTION)
S924	1-570-721-11	SWITCH, LEAF (MOTOR POWER)
S1101	1-554-419-21	SWITCH, PUSH (1 KEY)(DUAL DOL)
S2001	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S2002	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S2003	1-554-303-21	SWITCH, KEY BOARD (CD)
S2004	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S2005	1-554-303-21	SWITCH, KEY BOARD (VIDEO)
S2006	1-554-303-21	SWITCH, KEY BOARD (VOLUME/+)
S2007	1-554-303-21	SWITCH, KEY BOARD (VOLUME/-)
S2008	1-554-303-21	SWITCH, KEY BOARD (MUTING)
SPK101	1-235-186-00	ENCAPSULATED COMPONENT
SPK201	1-235-186-00	ENCAPSULATED COMPONENT
T1	$\Delta$ 1-448-823-11	(E).....TRANSFORMER, POWER
T1	$\Delta$ 1-448-824-11	(AEP,G-AEP,UK)....TRANSFORMER, POWER
T501	1-433-318-11	TRANSFORMER, BIAS OSCILLATION
T502	1-433-318-11	TRANSFORMER, BIAS OSCILLATION
T503	1-464-725-11	OSCILLATION UNIT, BIAS
TM1301	1-536-705-00	TERMINAL BOARD (SPEAKER)
X761	1-527-532-00	OSCILLATOR, CERAMIC
X821	1-567-776-21	VIBRATOR, CERAMIC